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ABSTRACT

General information on pharmacy education according to specific admission requirements, selection factors, and educational cost are provided for all 50 states and the District of Columbia. Each school reported on the following areas: general information about its pharmacy program, curriculum, requirements for admission, selection factors, advanced placement tests, financial aid, timetable of application and acceptance, general comments on 1979-1980 and 1980-1981 first year classes, estimated expenses per year for the first year class, and information on the 1978 class. Also provided is a list of U.S. schools of pharmacy and degrees offered and institutions requiring Pharmacy College Admission Test. (LC)

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PHARMACY SCHOOL ADMISSION REQUIREMENTS

FOURTH EDITION

ACTUAL
1979-1980

PROJECTED
1980-1981

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AMERICAN ASSOCIATION OF
COLLEGES OF PHARMACY

PHARMACY SCHOOL ADMISSION REQUIREMENTS

FOURTH EDITION

ACTUAL
1979-1980

PROJECTED
1980-1981

Editor: John F. Schlegel, Pharm.D.

PREPARED BY
THE OFFICE OF STUDENT AFFAIRS

aacp
AMERICAN ASSOCIATION OF
COLLEGES OF PHARMACY
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Preface

Pharmacy education and practice has been greatly influenced in recent years by two factors, the rapid scientific advances in drug development and the increasing demand for health care services by society. The vast array of new and very potent medications make it essential that a member of the health care team is trained to provide accurate information regarding the use of these agents. As the expert in the science of drugs and drug therapy, the pharmacist is becoming an increasingly important member of the health care team.

Although the role of the pharmacist as the dispenser of prescriptions remains important, pharmacists are now trained to more actively participate in the direct care of the pateint. Within the past several years pharmacy schools have undergone comprehensive curricular changes, moving from an educational process that emphasized drug product information to a process that emphasizes the application of this knowledge to the care of the patient. Pharmacy education is increasingly involving the student in patient centered learning experiences.

The opportunities and challenges for the recent pharmacy graduate are many. Increasing demand for pharmaceutical services coupled with the opportunities available through new roles for the practitioner present an exciting future for pharmacists.

This book is designed to provide general information on each school, with specific information on admission requirements, selection factors and educational costs. Each school provided typed pages from which the information about the school was produced. The schools made every attempt to provide the most current information available, however the reader should contact the school(s) of his or her interest for specific admission counseling. Each school is responsible for the contents of their section, not the American Association of Colleges of Pharmacy.

Acknowledgements: Appreciation is expressed to the individuals at each school who made this publication possible.

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John F. Schlegel, Pharm.D.

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( ) The number in parenthesis after the school name indicates the number of years of college study generally required prior to enrolling in the school of pharmacy.

Information regarding graduate programs available in schools of pharmacy is available from the American Association of Colleges of Pharmacy (address on reverse side).

ALABAMA

Auburn University (2)
School of Pharmacy
Auburn, AL 36830

Samford University (2)
School of Pharmacy
800 Lakeshore Drive
Birmingham, AL 35209

ARIZONA

University of Arizona (2)
College of Pharmacy
Park and Third Streets
Tucson, AZ 85721

ARKANSAS

**University of Arkansas
for Medical Sciences (2)
College of Pharmacy
4301 West Markham
Little Rock, AR 72201

CALIFORNIA

*University of California (2)
School of Pharmacy
San Francisco, CA 94143

**University of the Pacific (1)
School of Pharmacy
751 Brookside Road
Stockton, CA 95211

*University of Southern
California (2)
School of Pharmacy
1985 Zonal Avenue
Los Angeles, CA 90033

COLORADO

University of Colorado (2)
School of Pharmacy
Ekeley W-181-E
Boulder, CO 80309

CONNECTICUT

University of Connecticut (0)
School of Pharmacy
Box U-92
Storrs, CT 06268

DISTRICT OF COLUMBIA

Howard University (2)
College of Pharmacy and
Pharmacal Sciences
2300 Fourth Street, N.W.
Washington, D.C. 20059

FLORIDA

Florida Agricultural and
Mechanical University (0)
School of Pharmacy
P.O. Box 367
Tallahassee, FL 32307

** University of Florida (2)
College of Pharmacy
J. Hillis Miller Health Center
Gainesville, FL 32610

GEORGIA

**Mercer University (2)
Southern School of Pharmacy
345 Boulevard, N.E.
Atlanta, GA 30312

University of Georgia (2)
School of Pharmacy
Athens, GA 30602

IDAHO

Idaho State University (2)
College of Pharmacy
Pocatello, ID 83201

ILLINOIS

University of Illinois (1)
College of Pharmacy
833 South Wood Street
P.O. Box 6998
Chicago, IL 60632

INDIANA

Butler University (2)
College of Pharmacy
46th and Sunset Avenue
Indianapolis, IN 46208

**Purdue University (1)
School of Pharmacy and
Pharmacal Sciences
W. Lafayette, IN 47907

IOWA

Drake University (0)
College of Pharmacy
28th and Forest
Des Moines, IA 50311

University of Iowa (1)
College of Pharmacy
Iowa City, IA 52242

KANSAS

University of Kansas (2)
School of Pharmacy
Lawrence, KS 66044

KENTUCKY

**University of Kentucky (2)
College of Pharmacy
Washington & Gladstone Streets
Lexington, KY 40506

LOUISIANA

Northeast Louisiana University (2)
School of Pharmacy
700 University Ave.
Monroe, LA 71209

Xavier University of Louisiana (2)
College of Pharmacy
7325 Palmetto Street
New Orleans, LA 70125

MARYLAND

**University of Maryland (2)
School of Pharmacy
636 West Lombard Street
Baltimore, MD 21201

MASSACHUSETTS

**Massachusetts College
of Pharmacy (0)
179 Longwood Avenue
Boston, MA 02115

Northeastern University (0)
College of Pharmacy and
Allied Health Professions
360 Huntington Avenue
Boston, MA 02115

MICHIGAN

Ferris State College (2)
School of Pharmacy
901 South State Street
Big Rapids, MI 49307

**University of Michigan (0)
College of Pharmacy
Ann Arbor, MI 48109

**Wayne State University (0)
College of Pharmacy and Allied
Health Professions
5501 Second Avenue
Detroit, MI 48202

MINNESOTA

**University of Minnesota (2)
College of Pharmacy
128 Pleasant St., S.E.
Minneapolis, Minn. 55455

MISSISSIPPI

University of Mississippi (2)
School of Pharmacy
University, MS 38677

MISSOURI

St. Louis College of Pharmacy (0)
4588 Parkview Place
St. Louis, MO 63110

**University of Missouri-
Kansas City (1)
School of Pharmacy
5005 Rockhill Road
Kansas City, MO 64110

MONTANA

University of Montana (2)
School of Pharmacy
Missoula, MT 59801

NEBRASKA

**Creighton University (2)
School of Pharmacy
2542 California Street
Omaha, NE 68178

*University of Nebraska (2)
College of Pharmacy
42nd & Dewey Avenue
Omaha, NE 68105

NEW JERSEY

Rutgers University (0)
The State University of New Jersey
College of Pharmacy
P.O. Box 789
Piscataway, NJ 08854

NEW MEXICO

University of New Mexico (1)
College of Pharmacy
Albuquerque, NM 87131

NEW YORK

Long Island University (0)
Arnold & Marie Schwartz College
of Pharmacy & Health Sciences
75 DeKalb Avenue
Brooklyn, N.Y. 11201

**St. John's University (0)
College of Pharmacy and
Allied Health Professions
Grand Central & Utopia Pkwys.
Jamaica, NY 11439

**State University of New York
at Buffalo (2)
School of Pharmacy
C126 Cooke-Hochstetter Complex
Amherst, NY 14260

Union University (0)
Albany College of Pharmacy
106 New Scotland Avenue
Albany, NY 12208

NORTH CAROLINA

The University of North Carolina
at Chapel Hill (1)
School of Pharmacy
Beard Hall 200H
Chapel Hill, NC 27514

NORTH DAKOTA

North Dakota State University (0)
College of Pharmacy
Fargo, ND 58102

OHIO

Ohio Northern University (0)
College of Pharmacy
Ada, OH 45810

Ohio State University (1)
College of Pharmacy
500 West 12th Avenue
Columbus, OH 43210

**University of Cincinnati (2)
College of Pharmacy
Medical Center
Health Professions Bldg.
Mail Location #4
Cincinnati, OH 45267

University of Toledo (0)
College of Pharmacy
2801 West Bancroft Street
Toledo, OH 43606

OKLAHOMA

Southwestern Oklahoma State
University (2)
School of Pharmacy
Weatherford, OK 73096

University of Oklahoma (2)
College of Pharmacy
644 Northeast 14th
Oklahoma City, OK 73104

OREGON

Oregon State University(2)
School of Pharmacy
Corvallis, OR 97331

PENNSYLVANIA

**Duquesne University (0)
School of Pharmacy
Pittsburgh, PA 15219

**Philadelphia College of Pharmacy
and Science (0)
43rd Street & Kingsessing Mall
Philadelphia, PA 19104

Temple University (2)
School of Pharmacy
3307 North Broad Street
Philadelphia, PA 19140

University of Pittsburgh (1)
School of Pharmacy
3501 Terrace Street
Pittsburgh, PA 15261

PUERTO RICO

University of Puerto Rico (1)
College of Pharmacy
Medical Sciences Campus
GPO Box 5067
San Juan, Puerto Rico 00936

RHODE ISLAND

University of Rhode Island (0)
College of Pharmacy
Kingston, RI 02881

SOUTH CAROLINA

**Medical University of South
Carolina (2)
School of Pharmacy
171 Ashley Avenue
Charleston, SC 29403

University of South Carolina (1)
College of Pharmacy
Columbia, SC 29208

SOUTH DAKOTA

South Dakota State University (1)
College of Pharmacy
Brookings, SD 57007

TENNESSEE

**University of Tennessee (2)
College of Pharmacy
800 Madison Avenue
Memphis, TN 38103

TEXAS

Texas Southern University (0)
School of Pharmacy
3201 Wheeler Avenue
Houston, TX 77004

University of Houston (2)
College of Pharmacy
3801 Cullen Boulevard
Houston, TX 77004

**University of Texas at Austin (2)
College of Pharmacy
Austin, TX 78712

UTAH

**University of Utah (0)
College of Pharmacy
Salt Lake City, UT 84112

VIRGINIA

**Virginia Commonwealth University (2)
School of Pharmacy
MCV Campus
Richmond, VA 23298

WASHINGTON

University of Washington (2)
School of Pharmacy, BG-20
Seattle, WA 98195

Washington State University (1)
College of Pharmacy
Pullman, WA 99164

WEST VIRGINIA

West Virginia University (2)
School of Pharmacy
Morgantown, WV 26506

WISCONSIN

University of Wisconsin-Madison (2)
School of Pharmacy
Center for Health Sciences
425 North Charter Street
Madison, WI 53706

WYOMING

University of Wyoming (1)
School of Pharmacy
Box 3375, University Station
Laramie, WY 82071

AMERICAN ASSOCIATION OF COLLEGES OF PHARMACY
4630 Montgomery Avenue, Suite 201
Bethesda, Maryland 20014
(301) 654-9060

GENERAL INFORMATION ON THE PCAT

The Pharmacy College Admission Test is prepared and administered by The Psychological Corporation under the auspices of the American Association of Colleges of Pharmacy for applicants seeking admission to colleges of pharmacy. The test is given three times each year at established testing centers. It is designed to measure general academic ability and scientific knowledge. The extent to which these test results are used in deciding whether or not an applicant will be admitted to a college of pharmacy varies from one school to another. In general, test results are combined with other information, such as high school or undergraduate records, references, and results of personal interviews.

Results are sent to the applicant and colleges of pharmacy approximately four to six weeks following the date of testing.

Examinations will be given on Saturday, November 11, 1978; Saturday, February 10, 1979; and Saturday, May 12, 1979.

DEADLINES FOR 1978-1979 EXAMINATIONS

	Nov. 11, 1978	Feb. 10, 1979	May 12, 1979
Date by which requests for special foreign centers must be received.	Sep. 9	Dec. 9	Mar. 10
Date by which requests for additional centers must be received.	Oct. 1	Dec. 31	Apr. 1
Final date for receiving applications within United States and Canada.	Oct. 15	Jan. 15	Apr. 15

All correspondence and requests for information concerning the Pharmacy College Admission Test should be directed to:

Pharmacy College Admission Test
The Psychological Corporation
304 East 45th Street
New York, New York 10017
(212) 888-2946

INSTITUTIONS REQUIRING THE PHARMACY COLLEGE ADMISSION TEST (PCAT)[1]

Schools in State Order	PCAT
Auburn University	Required
Samford University	Required
Arizona, University of	Required
Arkansas, University of	Required
California, University of	Not Required
Pacific, University of the	Not Required
Southern California, University of	See School entry
Colorado, University of	Required
Connecticut, University of	Not Required
Howard University	Not Required
Florida A & M University	Not Required
Florida, University of	Required
Mercer University	Required
Georgia, University of	Required
Idaho State University	Required
Illinois, University of	Required
Butler University	Required/Trans.
Purdue University	Required
Drake University	Recommended
Iowa, University of	Not Required
Kansas, University of	Required
Kentucky, University of	Required
Northeast Louisiana University	Not Required
Xavier University	Required
Maryland, University of	Required
Massachusetts College of Pharmacy	Not Required
Northeastern University	Recommended
Ferris State College	Required
Michigan, University of	Not Required
Wayne State University	Required
Minnesota, University of	Required
Mississippi, University of	Required
St. Louis College of Pharmacy	Required/Trans.
Missouri-Kansas City, University of	Required
Montana, University of	Not Required
Creighton University	Required
Nebraska, University of	Required
Rutgers University	Not Required
New Mexico, University of	Required
Long Island University	Recommended
St. John's University	Not Required
State Univ. of New York @ Buffalo	Required
Union University	Not Required
North Carolina, University of	Required
North Dakota State University	Not Required
Ohio Northern University	Not Required
Ohio State University	Required
Cincinnati, University of	Required
Toledo, University of	Not Required
Southwestern Oklahoma State Univ.	Not Required
Oklahoma, University of	Required
Oregon State University	Required
Duquesne University	Not Required
Philadelphia College of Pharmacy	Not Required
Temple University	Not Required
Pittsburgh, University of	Not Required
Puerto Rico, University of	Not Required
Rhode Island, University of	Not Required
South Carolina, Medical Univ. of	Required
South Carolina, University of	Required
South Dakota State University	Required
Tennessee, University of	Required
Texas Southern University	See School Entry
Houston, University of	Required
Texas-Austin, University of	Required
Utah, University of	Required
Virginia Commonwealth University	Recommended
Washington, University of	Recommended
Washington State University	Not Required
West Virginia University	Required
Wisconsin-Madison, University of	Required
Wyoming, University of	Recommended

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[1] The information contained in this table is current as of fall 1978 and is subject to change.

AUBURN UNIVERSITY
SCHOOL OF PHARMACY
2-3 Program Type

GENERAL INFORMATION

Auburn University has been serving residents as well as non-residents of the State of Alabama for 123 years. Its origin dates to 1856 when East Alabama Male College was founded. The institution became a Land-Grant college in 1872, and the name was changed to the A&M College of Alabama. A&M College became Alabama Polytechnic Institute in 1899. The present name of the institution, Auburn University, was adopted in 1960. Women were first admitted in 1892.

Courses in pharmacy were first offered in 1885 under the auspices of the Schools of Chemistry and Pharmacy. The first degrees (B.S. in Pharmacy degree and the Master's degree) were awarded in 1897. The Pharmacy program continued under the auspices of the School of Chemistry and Pharmacy until 1942 when the School of Chemistry and the School of Pharmacy were established as separate entities.

The Pharmacy program was housed in a small three-story building until 1932 when a new building, Ross Laboratory, was occupied by the pharmacy and chemistry programs. A substantial increase in enrollment in the mid-1940's necessitated the use of temporary quarters to supplement the space in Ross Laboratory. A new facility, Miller Hall, was dedicated and became the home of the School of Pharmacy in 1952.

A modern $4.8 million building which houses the present pharmacy facilities located adjacent to Miller Hall was dedicated in November 1976. Miller Hall will be renovated for additional pharmacy programs and services.

CURRICULUM

The requirements for the B.S. in Pharmacy degree consist of the Pre-Pharmacy curriculum (98 quarter hours) and the Pharmacy curriculum (159 quarter hours) or a total of 257 quarter hours for the five-year program. The Pre-Pharmacy curriculum is administered by the School of Arts and Sciences. A preprofessional advisory committee consisting of pharmacy professors serves to assist pre-pharmacy students. The Pre-Pharmacy curriculum is also coordinated at junior and four-year institutions in Alabama as well as throughout the country.

The Pharmacy Curriculum consists of a nine quarter program. The new curriculum is patient oriented and consists of many clinical pharmacy courses. There are elective and required courses consisting of institutional and non-institutional clinical experiences available. All students are required to participate in Practice Externship their ninth quarter (400 hrs. in a clinical environment).

Address inquiries to: Dr. Archie Jay Beebe
Chairman, Admission Committee
School of Pharmacy
Auburn University
Auburn, Alabama 36830
(205) 826-4740

REQUIREMENTS FOR ENTRANCE

Students desiring to be admitted to the Pre-Pharmacy curriculum at Auburn University should apply to the University Admissions Office. Pre-Pharmacy students at the University as well as other institutions should apply to the School of Pharmacy for admission to the professional curriculum while completing their pre-professional requirements.

Applicants must complete the ninety-eight quarter hours listed in the two year preprofessional curriculum in an accredited institution with a grade of "C" or better to satisfy admission requirements.

The applicant must receive acceptance from Auburn University Admissions Office before being considered by the School of Pharmacy Admission Committee.

Application to the School of Pharmacy must be made using the official application form, including photograph, three letters of recommendation, and transcripts of all work attempted. Application deadlines:

Fall Admission	March 1
Spring Admission	October 1

The Pharmacy College Admission Test (PCAT) must be taken prior to being considered for admission. In order that the Admission Committee receive the scores in time, students submitting applications for Fall Quarter admission must take the February PCAT. Those competing for Spring Quarter admission must take the November PCAT.

An interview is required upon request of the School of Pharmacy Admission Committee.

SELECTION FACTORS

Applicants are admitted on the basis of collegiate records, PCAT scores, interviews, and letters of recommendation. Although the majority of students in the School of Pharmacy at Auburn University are Alabama residents, superior students from other states are encouraged to apply.

The following criteria are utilized by the School of Pharmacy Admission Committee:

- Cumulative grade point average on all work attempted.
- Science Index (performance in mathematics, chemistry, physics, and biology).
- Evaluation of interview report and letters of recommendation.
- Evaluation of performance on PCAT (upper 50 percentile).
- General Assessment of adaptability for the profession.

AUBURN UNIVERSITY
SCHOOL OF PHARMACY

ADVANCED PLACEMENT TESTS

Entering freshmen who demonstrate superior preparation are accorded the opportunity of qualifying for advanced placement and/or credit, not to exceed a total of 45 quarter hours, in the following areas: Biology, Botany, Chemistry, English, Foreign Language, History, Mathematics, Physics and Zoology.

The amount of credit allowable through advanced placement is determined by the dean and the department head concerned. A brochure describing the Advanced Standing Program will be forwarded by the Office of High School Relations upon request.

FINANCIAL AID

The Student Financial aid program is administered by the Office of Student Financial Aid. All the financial programs administered by the Student Financial Aid Office are available to Pre-Pharmacy students.

The School of Pharmacy makes undergraduate scholarship awards each spring for the academic year in cooperation with the Student Financial Aid Office. All types of financial assistance are based on need. Scholastic records are given primary consideration in awarded scholarships. Other types of assistance are based entirely on need. The Health Professions Scholarship and Loan Programs represent the majority of funds available to pharmacy students. The School of Pharmacy participates in the College Work-Study Program and also employs pharmacy students each quarter.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 Freshman Class

Applications for admission to the School of Pharmacy must be completed no later than the dates shown below:

Students applying for:
Fall Quarter, 1979 March 1, 1979
Spring Quarter, 1980 October 1, 1979
Other information on 1979-80 class:
Estimated size of each quarter's class: 64
Application fee: none ($10 University application fee, see below)

Applications for admission to Auburn University include the pre-pharmacy program (School of Arts and Sciences) must be completed at least thirty days prior to the quarter of intended admission.
Application fee: $10.00
Students are usually admitted three to six weeks after the application is completed.

1980-81 "Projected" Freshman Class

Applications for admission to the School of Pharmacy must be completed no later than the dates shown below:

Students for:
Fall Quarter, 1980 March 1, 1980
Spring Quarter, 1981 October 1, 1980
Other information on 1980-81 class:
Estimated size of each quarter's class: 64
Application fee: none ($10 University application fee, see below)

Applications for admission to Auburn University include the pre-pharmacy program (School of Arts and Sciences) must be completed at least thirty days prior to the quarter of intended admission.
Application fee: $10.00
Students are usually admitted three to six weeks after the application procedure is completed.

GENERAL COMMENTS ON 1979-80 AND 1980-81 FIRST YEAR CLASSES

Applicant response to acceptance offer.
Preferred time for response: Immediately
Deadline for response: July 1 for Fall Admission; February 1 for Spring Admission

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

1979-80 Freshman Class

Tuition and Fees per year
Resident: $600
Non-resident: $1,200
Room and Board: $1,050-$1,350
Books and Supplies: $200

1980-81 "Projected" Freshman Class

Tuition and Fees per year
Resident: $600
Non-Resident: $1,200
Room and Board: $1,050-$1,350
Books and Supplies: $200

INFORMATION ON 1978 CLASS

Number of Students	Instate	Out-of-State, U.S.	Foreign	Male	Female	Total
	100	27	1	68	60	128

SAMFORD UNIVERSITY
SCHOOL OF PHARMACY
2-3 Program Type

GENERAL INFORMATION

Samford University (formerly Howard College) owned and operated by the Alabama Baptist State Convention, exists to provide the opportunity and the stimulus for each student to secure a broad and academically sound education in a positive Christian environment. The Pharmacy program was founded in 1927 in response to the requests of pharmacists in the Birmingham area. The parent institution relocated its campus in 1957 from its eastern Birmingham location to its present campus site in a picturesque mountainous area of greater Birmingham about six miles south of the heart of the city. The existing diversity of degree programs resulted in Howard College's official elevation to University status on November 9, 1965. The Division of Pharmacy was designated the School of Pharmacy. Housed in a three-storied Georgian-colonial structure, Ingalls Hall, the School of Pharmacy offers a modern program of professional pharmaceutical education combined with satisfying cultural experiences in the arts, humanities, and sciences.

CURRICULUM

The pharmacy curriculum at Samford University is a five year program leading to the B.S. in Pharmacy degree. The dual purpose of the curriculum is to provide the student with a broad general education and prepare the student for a career in pharmacy practice. The 2-3 year program may be completed in its entirety at Samford University or the professional curriculum may be entered following two years of acceptable prepharmacy work at an accredited university, college or junior college. Candidates for the degree must complete the required curriculum with a total of not less than 166 semester hours of credit, a grade of not less than C in all required pharmacy courses, and a grade point average (both overall and in pharmacy) of not less than 1.0/3.0.

All students receive approximately 400 hours of highly structured clinical experience in various patient care settings. Practice sites include 25 community pharmacies, 7 hospital pharmacies, 2 nursing homes and an HMO-type facility all in the metropolitan Birmingham area.

REQUIREMENTS FOR ENTRANCE

Applications to and acceptance by the general University is prerequisite to application to the School of Pharmacy. The School of Pharmacy has final jurisdiction in the selection of students for admission to the professional curriculum.

To be admitted to Samford University as an entering freshman, each applicant must have been graduated from an approved high school with a minimum of 16 units including 4 units of English. Eight other units must be in academic areas and may be in any of the following fields; Social Sciences (history, government, civics, economics, geography); Mathematics (algebra, geometry, trigonometry); Science (general science, biology, chemistry, physics); Foreign Languages (at least two units in the same language).

Transfer work is accepted from any accredited college, university or junior college. No more than 64 semester hours of credit can be transferred from a junior college. A student applying for admission to the professional curriculum must have completed the following prepharmacy math and science requirements in order to be eligible for consideration:

Mathematics (algebra, trigonometry)	6
Biology (general and zoology or botany)	8
General Chemistry (inorganic)	8-10
Organic Chemistry	8
Physics (general)	8
English Composition	6
semester hours	44-46

Additional general curriculum requirements to be completed either before or after admission to the professional curriculum are:

History (Western Civilization)	3-6
Social Science (sociology, psychology, political science or economics)	6
English Literature (English, World or American)	3-6
Appreciation of the Fine Arts (Art, Music or Drama)	2-4
Physical Education Activity	4
Religion (Old and New Testament)	6
semester hours	27-30

SELECTION FACTORS

Samford University (General)

1. Admission to Samford is selective. In order to qualify for admission an applicant must present scholastic and personal records indicating good preparation and ability to undertake a college degree program.
2. Acceptable college entrance examination scores are required. Scores will be accepted from either the American College Testing program (ACT) or the College Entrance Examination Board-Scholastic Aptitude Test (CEEB - SAT).
3. Other selection factors include a certificate of sound health, and three letters of recommendation on the character, conduct, and personality of the applicant.
4. Transfer students must submit transcripts of all college work attempted and be in good academic standing at former institutions.

Samford University (School of Pharmacy)

1. Applicants who have been accepted by Samford University and who meet minimum requirements for the Pharmacy School will be sent an "Application for Admission to the Pharmacy Curriculum, Samford University" with a letter advising what further information is required, namely:
   A. Pharmacy College Admission Test Scores-PCAT

B. Transcripts of all work completed (must include grades on all prepharmacy math and science courses before consideration).

2. Review of applications procedure:

   A. Application with at least an overall 2.25 GPA on a 3.0 scale and at least a 2.0 GPA on a 3.0 scale in math and science courses and a PCAT of 250 (composite of raw scores) or greater will be given priority in consideration by the Pharmacy Admissions Committee.

   B. Applicants with less than the above, but at least an overall 1.0 GPA on a 3.0 scale and at least a composite raw score of 125 on the PCAT will be given consideration by the Pharmacy Admissions Committee on a competitive basis.

3. The Samford University School of Pharmacy accepts a maximum of 135 students per year. Students are entered as first year professional students three times a year; in the fall term, in the spring term, and the summer term.

Address inquires to:
Mr. Joe Dean, Jr., R.Ph.
Director of Professional Affairs, Pharmacy
Samford University

ADVANCED PLACEMENT TESTS

Students whose scores are above the national fiftieth percentile on entrance tests in english, mathematics or history may receive advanced placement in these areas of the general curriculum. Satisfactory scores on the College Level Examination Program Tests entitle a student to advanced standing credit for areas in which these tests are available.

FINANCIAL AID

Samford University, along with business and civic organizations, individuals, and foundations, has provided a number of scholarships and loans to aid worthy students who do not have the means to pay all their college expenses. Various federal assistance programs are also available.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 Freshman Class

Filing for formal application by applicant.
Earliest date: as soon as possible
Latest date: F-6/15/79; Sp-12/15/79; Su-3/15/80
Application fee: $20.00 and $75.00 upon acceptance.
Notification of acceptance by school.
Earliest date: varies
Latest date: F-8/1/79; Sp-1/1/80; Su-5/1/80
Class
Starting date: August 28, 1979
Ending date: May 26, 1980
Estimated size of class: 125

1980-81 "Projected" Freshman Class

Filing for formal application by applicant.
Earliest date: as soon as possible
Latest date: F-8/15/80; Ap-12/15/80; Su-3/15/81
Application fee: $20.00 and $75.00 upon acceptance.
Notification of acceptance by school.
Earliest date: varies
Latest date: F-8/1/80; Sp-1/1/81; Su-5/1/81
Class
Starting date: August 29, 1980
Ending date: May 26, 1981
Estimated size of class: 125

GENERAL COMMENTS ON 1979-80 AND 1980-81 FIRST YEAR CLASSES

Applicant response to acceptance offer.
Preferred time for response: two weeks
Deadline for response: three weeks from date of acceptance letter
Deposit required and refund policy if applicant withdraws acceptance: acceptance deposit $75 non-refundable.

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

1979-80 Freshman Class

Tuition and fees estimate based on 32 semester hour
Resident: $1800.00
Non-resident: $1900.00
Room and Board (minimum): $1100.00
Books and Supplies: $200.00
Lab Fees: Biology and Chemistry-$15.00, Physics-$20.00
Other required expenses: add for pharmacy courses $185 per year estimated

1980-81 "Projected" Freshman Class

Tuition and Fees per year estimate on 32 sem. hr.
Resident: $2000.00
Non-resident: $2100.00
Room and Board (minimum): $1200.00
Books and Supplies: $200.00
Lab Fees: Biology and Chemistry-$15.00, Physics $20.00
Other required expenses: add for pharmacy courses $185 per year estimated

ESTIMATED INFORMATION ON 1978-79 FIRST YEAR CLASS

Number of Students	Instate	Out-of-State, U.S.	Foreign	Male	Female	Total
128	40	88	5	90	38	128

THE UNIVERSITY OF ARIZONA
COLLEGE OF PHARMACY
2-3 Program Type

GENERAL INFORMATION

The University of Arizona, which is organized into 14 colleges and 6 schools, was accredited by the North Central Association of Colleges and Secondary Schools in 1917. The bachelor's degree is offered in 130 fields of study, the master's degree in 123, and the doctoral degree in 82.

In 1947, the School of Pharmacy was organized within the College of Liberal Arts, and was given separate status as the College of Pharmacy in 1949. The degree programs offered by the College of Pharmacy are: 5-year Bachelor of Science in Pharmacy (2 years of prepharmacy and 3 years in the College of Pharmacy) Master of Science (Pharmacology, Pharmacy {specializations in Pharmaceutical Chemistry, Pharmacognosy, Pharmacy Administration and Hospital Pharmacy}), and Doctor of Philosophy (Pharmaceutical Chemistry, Pharmacology, and Pharmacy {specialization in Pharmaceutics, Pharmaceutical Education}).

CURRICULUM

The undergraduate pharmacy curriculum contains general education (social-behavioral-humanistic courses), basic science, and clinical pharmacy components which educate and train the pharmacy student to become a competent health professional who is capable of providing distributive and patient-centered pharmaceutical services in modern health care settings such as community pharmacies, hospitals, clinics, and extended health care facilities. Additionally, the undergraduate program provides flexibility for the student interested in industrial practice of pharmacy and preparation for graduate study and research. The College of Pharmacy is accredited by the American Council on Pharmaceutical Education.

REQUIREMENTS FOR ENTRANCE

1. In addition to the general requirements for admission to the University of Arizona (see the University catalog), all applicants should have completed 1 unit of elementary algebra, 1 unit of plane geometry, ½ unit of trigonometry, and ½ unit of advanced algebra in high school.

2. To be admitted to the College of Pharmacy, a student must have completed the equivalent of two years of preprofessional work as outlined below:

Course	Semester Hours
English Composition (English 102,104)	6
Calculus (Math 123)	3
Statistics (Math 263)	3
Fundamentals of Chemistry (Chem 103a,104a 103b,104b)	8
Organic Chemistry (Chem 241a,241b,243a,243b)	8
Principles of Analysis I (Chem 322,323)	3
Introductory Physics (Physics 102a,102b,180a, 180b)	8
Principles of Infection & Immunity (Micr 202)	5
Human Anatomy & Physiology (G. Bio 159a)	4*
Survey of Economic Theory (Econ 210)	3
Group I Electives (Social Sciences)	6**
Group II Electives (Humanities)	4***
Physical Education	2
Total Units	63

*G. Bio. 159a may be waived with 8 units of General Biology.

**Minimum of 6 units of social and behavioral sciences (e.g., Elementary Psychology, General Sociology, Principles of Speech, Political Science).

***Humanities 250a, Introduction to Humanities, (4 units) or two of the Humanities options as listed: Survey of World Art (Art 117,118), Survey of Music (Music 107,108), and Philosophy courses (Phil. 111,113,160,161,238), (6 units) for Group II Electives.

3. All applicants must take the Pharmacy College Admission Test (PCAT) and arrange to have scores forwarded to the College of Pharmacy. The PCAT must be taken no later than the February test date of the year in which the student applies for admission. For application write: PCAT - The Psychological Corporation, 304 East 45th Street, New York, NY 10017.

SELECTION FACTORS

First-year pharmacy students are admitted only in the fall semester. The College cannot accommodate all qualified applicants, and preference will be given to qualified Arizona residents. An out-of-state student must have a 3.000 (B) grade point average or better to be considered for admission. An admission committee of the College will select only the number of qualified applicants which can be accommodated in the College. All applications for admission, lists of Spring courses, and college transcripts (for all course work completed including Fall) must be received by the Admissions Office, University of Arizona by March 15. The committee will consider not only the previous academic records of the applicants but also their aptitudes and personal qualifications for the practice of pharmacy. Student Profile Questionnaires and Recommendation of Applicant forms must be received by the College of Pharmacy by March 15. Applicants will be notified of the action of the admissions committee following regular meetings which begin during the month of April and will be completed during the month of June.

Address inquiries to:

Director of Admissions
College of Pharmacy
University of Arizona
Tucson, Arizona 85721
(602) 884-1427

THE UNIVERSITY OF ARIZONA
COLLEGE OF PHARMACY

ADVANCED PLACEMENT

The University of Arizona offers to entering freshmen of superior ability advanced placement or college credit under the Advanced Placement Program of the College Entrance Examination Board. For further information regarding this program, contact the Director of Admissions or your school counselor.

FINANCIAL AID

The University of Arizona through the Office of Scholarships and Financial Aids maintains a comprehensive program of financial assistance for its students. The scholarship program of the University of Arizona may be generally divided into: (1) General University Scholarships, which are available to all undergraduates at the University; (2) General College Scholarships, which are available to all students in particular colleges; and (3) specific scholarships in departments and major fields. Recipients are selected on the basis of exceptional scholastic achievement, character, promise, financial need, and qualifications specified by the donors. The available federal student aid programs are: National Direct Student Loans (NDSL), Supplemental Educational Opportunity Grants (SEOG), College Work-Study, Pharmacy (Health Professions) Student Loans, Pharmacy Scholarship Grants, and Basic Educational Opportunity Grants (BEOG). The Office of Scholarships and Financial Aids administers an extensive loan program in addition to the federal programs. All inquiries regarding scholarships and other forms of financial aid should be addressed to:

Office of Scholarships and Financial Aids
Administration Building, Room 203
University of Arizona
Tucson, Arizona 85721

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 Freshman Class

Filing for formal application by applicant.
    Earliest date: September 1, 1978
    Latest date: February 15, 1979
    Application fee: $10.00 (Nonresident)*
Notification of acceptance by college.
    Earliest date: May 1, 1978
    Latest date: July 1, 1978

1980-81 "Projected" Freshman Class

Filing for formal application by applicant.
    Earliest date: September 1, 1979
    Latest date: February 15, 1980
    Application fee: $10.00 (Nonresident)*
Notification of acceptance by college.
    Earliest date: May 1, 1979
    Latest date: July 1, 1979

ESTIMATED EXPENSES* PER YEAR FOR 1978-79 Class and "PROJECTED" 1978-79 CLASS

LEGAL RESIDENTS OF ARIZONA

Registration Fee ($275 per semester)	$ 550.00
Special College Fee	70.00
Residence Halls, Minimum rate**	375.00
Meals in University Cafeteria, Meal tickets	990.00
Books and Supplies	200.00
Total Minimum Annual Expense	$2,185.00

NONRESIDENTS OF ARIZONA

Nonresident Registration Fee ($275 per semester)	$ 550.00
Nonresident Tuition Fee ($775.00 per semester)	1,550.00
Special College Fee	70.00
Residence Hall, Minimum rate**	375.00
Meals in University Cafeteria, Meal tickets	990.00
Books and Supplies	200.00
Total Minimum Annual Expense	$3,735.00

*All fees subject to change without notice.
**Residence hall rates range from $375.00 to $660.00 per year.

UNIVERSITY OF ARKANSAS FOR MEDICAL SCIENCES
COLLEGE OF PHARMACY
2-3 Program Type

GENERAL INFORMATION

A School of Pharmacy was established at the Medical Center of the University of Arkansas at the beginning of the 1951-52 academic year in response to demand for well prepared individuals in practical and theoretical pharmacy and interrelated subjects. In 1975, the University Board of Trustees established the Medical Center as an autonomous unit named the University of Arkansas for Medical Sciences administered by a Chancellor and its schools became colleges. Other components of the Medical Sciences Campus include the Colleges of Medicine, Nursing, Health Related Professions and the University Hospital.

The College is located in a new nine-level educational building which houses the Medical Sciences Campus library, lecture rooms and audio visual facilities clustered in a two level Learning Center used by all students on this campus, multidisciplinary student laboratories, research laboratories and offices. Through the multiple facilities of the University of Arkansas for Medical Sciences, the student in the College of Pharmacy enjoys enviable advantages to broaden his understanding of the profession of pharmacy and its relation to the general program of medical care and the maintenance of public health.

The primary objective of the College of Pharmacy is to provide students with a sound scientific and professional foundation for the practice of pharmacy in all its divisions. The scope of the educational program is broad, so as to prepare students to become leaders in the health care professions.

CURRICULUM

The organization of the curriculum is based on a modern concept of pharmaceutical education requiring a basic education in the physical and biological sciences and in the humanities, followed by a specialized professional education in pharmacy. Revisions of the curriculum are made as needed to meet the demands of the changes occuring in the prefession of pharmacy.

The requirements of the pre-pharmacy course work may be fulfilled at any accredited collegiate institution. The professional education leading to the degree of Bachelor of Science in Pharmacy is taken at the Medical Sciences Campus in Little Rock. Thus the student has the experiences and advantages of university or college campus life yet completes his education in a health science center which will characterize much of his later professional career.

The professional curriculum is designed to integrate actual practice with academic skills under faculty direction through the use of the University Hospital, the hospital clinic pharmacy operated by the College of Pharmacy, and externship programs in community and hospital pharmacies throughout the state.

Communication regarding entrance for professional studies in pharmacy may be addressed to:

Admissions Office
College of Pharmacy
University of Arkansas for Medical Sciences
Little Rock, Arkansas 72201

REQUIREMENTS FOR ENTRANCE

1. All applicants with a grade-point average of 2.00 (C) or above on their overall college record and in the pre-pharmacy course requirements are eligible for admission to the College of Pharmacy. In the event the number of eligible applicants exceeds the number for whom facilities are available, the final selection will be made by the College of Pharmacy on the basis of the applicant's previous scholastic and aptitude records, Pharmacy College Admission Test (PCAT) scores, interview and references. The PCAT is required of all applicants.

2. The student's admission to the College of Pharmacy will be considered after the successful completion of the equivalent of two years of prescribed pre-professional work at an accredited collegiate institution. The applicant shall have completed the following prescribed semester hours of credit:

Mathematics (Algebra & Trigonometry)	6 semest. hrs.
English Composition	6 semest. hrs.
Botany & Zoology	8 semest. hrs.
General Chemistry	8 semest. hrs.
Principles of Economics	3 semest. hrs.
College Physics	8 semest. hrs.
Organic Chemistry	8 semest. hrs.
Electives in Liberal Arts	10 semest. hrs.
Principles of Accounting	3 semest. hrs.

3. Applications are accepted between November 1 and March 1 of each year for the class entering the following fall semester. Applications may be obtained by writing to the Admissions Office of the College of Pharmacy. This application and physical examination report should be returned with a $10.00 record analysis fee. It is the responsibility of the applicant to request, from the Registrar of his college, official transcripts of all college work completed up to the date of application. Transcripts must be sent directly to the College of Pharmacy.

SELECTION FACTORS

1. Admission to the College of Pharmacy is selective and is dependent upon the applicant's previous scholastic and personal record.

2. Since the number of applications usually exceed the number of students which can be admitted into each entering class, applicants are considered on a basis of previous scholastic achievement, personal records, interviews, references and scores achieved on PCAT. A limited number of out-of-state applicants may be accepted provided no qualified Arkansas resident is displaced.

3. Students presenting transcripts of credits from other accredited colleges of pharmacy will, under normal circumstances, receive credit for courses satisfactorily completed in the basic sciences and in other general educational subjects applicable to the pharmacy curriculum. The sequence of professional courses extending throughout a minimum of three academic years or six semesters of residence in this accredited school of pharmacy must be completed in the logical order required of all regular students. Students transferring from other schools of pharmacy must have the permission of the Dean of the college of pharmacy previously attended.

4. Transfer students from all institutions are required to present a minimum grade average of C or its equivalent, both on their most recent semester of work and on the total to be considered for admission to the College of Pharmacy.

FINANCIAL AID

Financial aid is available under several programs including scholarships which are awarded on the basis of need and do not require repayment. Several loan programs are available and students with a demonstrated need will usually qualify for one of these programs.

Application for financial assistance for students in the College of Pharmacy is made after the student has been accepted for enrollment. Prospective students who seek financial aid during their pre-pharmacy course work should contact the financial aid office of the college they plan to attend.

Further information on financial aid can be obtained by writing the Financial Aid Officer, College of Pharmacy.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 First Year Class

Filing of formal application by applicant
Earliest date: November 1, 1978
Latest date: March 1, 1979
Records analysis fee: $10.00
Notification of acceptance by school
Latest date: June 1, 1979
Usual time from receipt of complete application to acceptance notice: Varies
Other information on 1979-80 First Year Class
Starting date: August 20, 1979
Ending date: May 16, 1980
Start second year: August 18, 1980
End second year: May 15, 1981
Estimated size of class: 75

1980-81 Projected First Year Class

Filing of formal application by applicant
Earliest date: November 1, 1979
Latest date: March 1, 1980
Records analysis fee: $10.00
Notification of acceptance by school
Latest date: June 1, 1980
Usual time from receipt of complete application to acceptance notice: Varies
Other information on 1980-81 First Year Class
Starting date: August 18, 1980
Ending date: May 15, 1981
Start second year: August 17, 1981
Estimated size of class: 75

GENERAL COMMENTS ON 1977-78 AND 1978-79 FIRST YEAR CLASSES

Applicant response to acceptance offer:
Within 30 days after receipt of offer or not later than July 1 of each year.
Deposit fee to hold place in class: $40.00 due at time of response to acceptance offer. The deposit will be applied to the initial registration fee.
Deadline for cancellation of acceptance (deposit refundable prior to this date):
August 1 of each year

Expenses per Year for 1979-80 First Year Class and "Projected" 1980-81 First Year Class

Registration fees per semester (1979-80)
In-State Student: $350.00
Out-of-State Student: $700.00
Estimated expenses per two semesters: (1979-80)
Room and meals: $2000.00
Books and Supplies: $100.00 - $150.00
Miscellaneous fees: $60.00
Laboratory Deposit fee: $10.00

Registration fees per semester (1980-81)
In-State Student: $350.00
Out-of-State Student: $700.00
Estimated expenses per two semesters (1980-81)
Room and meals: $2200.00
Books and Supplies: $100.00 - $150.00
Miscellaneous Fees: $60.00
Laboratory Deposit fee: $10.00

UNIVERSITY OF CALIFORNIA
SCHOOL OF PHARMACY
2-4 Program Type

GENERAL INFORMATION

The School of Pharmacy of the University of California, San Francisco was founded in 1872 as the California College of Pharmacy. The objectives of the founders were to advance pharmaceutical knowledge and elevate the professional character of apothecaries throughout California. The California College of Pharmacy became affiliated with the University of California on June 2, 1873, and became the College of Pharmacy of the University of California on July 1, 1934. In 1955, a six-year program leading to the professional degree, Doctor of Pharmacy, was established. It consists of two years of preprofessional study at an accredited college, followed by four years of professional study in the College of Pharmacy. In keeping with the University naming policy, the College of Pharmacy became the School of Pharmacy in 1955. In 1966, the School of Pharmacy instituted an experimental decentralized pharmacy service in the patient care area of Moffitt Hospital. The success of this service encouraged the faculty to adopt a clinical pharmacy program as a new major educational objective of the curriculum. The University of California School of Pharmacy is a member of the American Association of Colleges of Pharmacy and is accredited by the American Council on Pharmaceutical Education.

CURRICULUM

The educational objectives of the School of Pharmacy are to offer an organized program of study in the pharmaceutical sciences which will provide California with pharmacists who are scientifically trained and professionally competent to deliver the full spectrum of pharmaceutical services required in modern health care. The curriculum covers four years of professional study, including biological and physical sciences. A new component of the curriculum involves student experience in the patient care areas of the campus where pharmacists' services are readily available to physicians and other health professionals. Presently, the fourth year includes lectures in clinical pharmacy and an expanding clinical clerkship of required and elective courses.

Admission to the School is effected through the Office of Student Affairs. The address is Office of Student Affairs, Room 953-S Medical Sciences Building, University of California, School of Pharmacy, San Francisco, California 94143. Telephone (415) 666-2732. Admissions Counselors are available in the Office of Student Affairs for personal conferences to aid the prospective student.

Address inquiries to:

Office of Student Affairs
School of Pharmacy
University of California, San Francisco
San Francisco, California 94143

REQUIREMENTS FOR ENTRANCE

Applicants for admission to the School of Pharmacy must be eligible for admission to the University of California and have completed the requirements outlined below. All of the requirements must be completed before beginning the pharmacy program; however, they need not be completed at the time application is filed.

Completion of sixty semester units or ninety quarter units of college work is a minimum requirement for admission to the School of Pharmacy. These units must include the subjects in the following list. Numbers in parentheses refer to courses at the University of California at Berkeley. Comparable semester or quarter courses may be taken at any approved college or university. Since course numbers and descriptions may differ from those listed below, applicants are encouraged to consult the Office of Student Affairs to determine equivalent courses at a particular college or university.

a. English (English 1A-B) - One sequence of two semesters or quarters of basic English.
b. Chemistry (Chemistry 1A-B-C and 5) - One year of general chemistry with laboratory and quantitative analysis or a combined course series.
c. Physics (Physics 6A-B-C) - One year of physics with laboratory.
d. Mathematics (mathematics 16A-B or 1A-B) - One year of calculus with analytic geometry.
e. Biology (Biology 1A-B-C) - One year of an integrated course in biology with laboratory, including invertebrate and vertebrate zoology.

SELECTION FACTORS

The Committee on Admissions of the School of Pharmacy is composed of faculty members and is responsible for selecting the first-year class.

Applicants are rated entirely on the basis of their promise as future pharmacists, which must include a consideration of their potential as students in the School of Pharmacy. A part of the information required to make this judgment is supplied by transcripts of records from previous colleges and universities attended, by answers to questions provided on the application forms, and by letters of evaluation. In addition, applicants are required to appear for personal interviews with faculty and students and will be asked to submit evidence of skill in the use of written English or to take other tests.

Applicants' religion, sex, political opinions, and ethnic background are omitted from consideration. This School accepts students who have a variety of career expectations and educational experiences. Also, every effort is made to encourage and recruit students having a wide variety of cultural, economic, and social backgrounds. Sound scholarship is important, but other qualities may outweigh very high grades or attendance at prestigious institutions. The Committee is most impressed by evidence that applicants are people who function well in the community, are sincerely motivated, communicate well, and give evidence of leadership ability. The Pharmacy College Admission Test is not required.

FINANCIAL AID

If students have problems in meeting the costs of higher education, the University will make every effort to assist in several ways:
Scholarships - Outright gifts of money awarded to students on the basis of academic achievement, financial need, and leadership qualities.
Grants-in-Aid - Outright gifts of money awarded primarily on the basis of financial need.
Loans - Grants of money made with the provision that they be repaid.

Information concerning the aid programs of the University and the School can be found in the "Financial Aids Bulletin" which is available on request.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 Freshman Class

Filing for formal application by applicant.
    Earliest date: July 15, 1978
    Latest date: November 1, 1978
    Application fee: $20.00*
Notification of acceptance by school.
    Earliest date: March 1979
    Latest date: September 1979
Class
    Starting date: Late September 1979
    Ending date: Early June 1980
    Estimated size of class: 120

1980-81 "Projected" Freshman Class

Filing for formal application by applicant.
    Earliest date: July 15, 1979
    Latest date: November 1, 1979
    Application fee: $20.00*
Notification of acceptance by school.
    Earliest date: March 1980
    Latest date: September 1980
Class
    Starting date: Late September 1980
    Ending date: Early June 1981
    Estimated size of class: 120

GENERAL COMMENTS ON 1979-80 AND 1980-81 FIRST YEAR CLASSES

Applicant response to acceptance offer.
    Preferred time for response: Within two weeks of reception of Letter of Admission.
    Deadline for response: Two weeks following reception of Letter of Admission.
Deposit required and refund policy if applicant withdraws acceptance: Deposit is required; no refund upon withdrawal.

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

1979-80 Freshman Class

Tuition and Fees*
    Resident: $722.25
    Non-resident: $2,222.25
Room and Board (minimum): $1,980.00
Books and Supplies: $400
Lab Fees: 0
Other Required Expenses: $60 per quarter

1980-81 "Projected" Freshman Class

Tuition and Fees*
    Resident: $722.25
    Non-resident: 2,222.25
Room and Board (minimum): $1,980.00
Books and Supplies: $400
Lab Fees: 0
Other Required Expenses: $60 per quarter

ESTIMATED INFORMATION ON 1978-79 FIRST YEAR CLASS

Number of Students	Instate	Out-of-State, U.S.	Foreign	Male	Female	Total
120	115	3	2	62	59	120

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* Fees are subject to change without notice.

UNIVERSITY OF THE PACIFIC
SCHOOL OF PHARMACY

PROGRAM TYPE

Bachelor of Science - 1-4 accelerated to 1-3
Doctor of Pharmacy - 2-4 accelerated to 2-3

GENERAL INFORMATION

The School of Pharmacy was organized in 1955. It is a member of the American Association of Colleges of Pharmacy, and is accredited by the American Council on Pharmaceutical Education.

The past decade has witnessed a monumental conversion of the practice of Pharmacy to the totally new and different methods of health care delivery. This University has pioneered and put into practice new concepts in preparing the individuals who practice Pharmacy. Our facilities are modern; the curriculum has been streamlined; our students are placed in learning situations throughout the length and breadth of the state.

CURRICULUM

The new curriculum takes full advantage of the advances which have occurred in the High School and Community College levels of teaching, and provides for a maximum of interdisciplinary approach to instruction.

The Profession has always required practical experience prior to licensure. This has now been structured into the curriculum, providing the opportunity for students to spend a full semester as a pharmacy extern. The externship involves a recognized preceptor-pharmacist, the State Board of Pharmacy, and the School. During this semester experience, the student receives a salary commensurate with local practice, is given first hand introduction to the practice of Pharmacy, and is credited with a semester's equivalent of course work.

The concept of Clinical Pharmacy has added a new dimension to the profession. Arrangements exist with a number of hospitals to accept eligible Pharmacy students for a full semester of clinical experience upon completion of the basic clinical pharmacy courses.

Today's pharmacist must assume a broad role in community life. We recognize the importance of the relationship of socio-economic problems to the health and general welfare of a community. To facilitate the development of this sense of community responsibility and involvement, students are encouraged to participate in community educational programs such as drug abuse education, venereal disease prevention and other community concerns.

The School of Pharmacy offers two undergraduate degrees. The traditional degree has been the Bachelor of Science, requiring a minimum of one year of appropriate courses in the Pre-Pharmacy level followed by a carefully integrated series of professional courses offered in eight semesters. The Doctor of Pharmacy degree requires the equivalent of two years Pre-Pharmacy followed by eight semesters of basic clinical pharmacy course work. In addition to the undergraduate degrees, the School of Pharmacy offers programs in graduate studies leading to the Master of Science and Doctor of Philosophy degrees, through the Graduate School. Inquiries regarding programs and curriculum should be addressed to: The Dean of Admissions, University of the Pacific, Stockton, California 95211.

REQUIREMENTS FOR ENTRANCE

PRE-PHARMACY COLLEGE REQUIREMENTS
(Effective September, 1978)

1. BACHELOR OF SCIENCE IN PHARMACY DEGREE PROGRAM

a) Mathematics - Intermediate algebra, trigonometry and advanced math (including analytic geometry and precalculus) completed in either high school or college.

b) Physics - One year of high school physics (with lab) or one semester/quarter of college physics (with lab).

c) General Chemistry - 8 semester units minimum (with lab both semesters), the regular sequence for chemistry majors.

d) Biological Science - 8 semester units of general biology with a laboratory both semesters, designed for biology majors. Microbiology is not acceptable as fulfilling this requirement.

e) Electives - English composition - 3 semester units minimum; Public Speaking - 3 semester units minimum; Behavioral Science - semester units minimum (course work may include psychology, sociology, anthropology). Electives must total a minimum of 14 semester units.

f) 32 transferable semester units are required.

g) Minimum grade point average accepted: 2.5 cumulative, 2.5 science course work.

2. DOCTOR OF PHARMACY DEGREE PROGRAM

All of the above requirements for the Bachelor of Science degree plus the following requirements:

h) Mathematics - Through one semester of college level calculus or its equivalent.

i) Organic Chemistry with lab designed for chemistry majors - 12 semester units minimum.

j) Microbiology (bacteriology) - 4 semester/5 quarter units (with lab) designed for biology majors.

k) Electives - Liberal Arts courses to total 28 semester units including the required electives included in (e) above. No more than 2 semester units of physical education may be used to fulfill this requirement.

l) 64 transferable semester units are required.

SELECTION FACTORS

The minimums listed in the previous section simply make the candidate eligible for selection. Final selection is based on recommendations, personal factors, and strength of academic preparation.

ADMISSION OF FRESHMEN INTO PRE-PHARMACY PROGRAM

REGULAR ADMISSION: Applicants without previous college work will be selected from those who meet the following conditions (listed in order of importance): (1) Graduation from an accredited secondary school with a substantial record of college recommending grades (A or B in most secondary schools) in both academic and nonacademic subjects; (2) Supporting recommendation from a secondary school counselor; (3) Satisfactory scores on the Scholastic Aptitude Test of the College Entrance Examination Board (preferred) or on the American College Testing Program.

ADMISSION BY EXAMINATION AND RECOMMENDATION: An applicant whose secondary school record is below that required for regular admission, may receive special consideration for admission by presenting strong scores on the SAT and on three Achievement Tests (one in English Composition and the others in two unrelated areas). In addition, the applicant's supporting recommendations will be considered.

ADMISSION TO THE PROFESSIONAL SCHOOL: While the School of Pharmacy reserves the right to ask prospective students to appear for an interview prior to being admitted, admission to the Professional School is obtained only through the University Office of Admissions.
Pharmacy applicants are urged to correspond with the Admissions Office to insure that all pre-pharmacy requirements are fulfilled.

ADVANCED PLACEMENT TESTS

Advanced placement through such programs as the CEEB Advanced Placement or College Level Examination Program is available in the following areas: English, Behavioral Science, Mathematics, Physics, Chemistry. These courses are included in the Pre-Pharmacy requirements.

The professional student is required to spend eight semesters in residence in the professional school.

FINANCIAL AID

The University of the Pacific offers a number of scholarships and grants from income provided by gifts, endowments, and its own general funds. Qualifications vary according to conditions stipulated by donors of funds, but attention is usually given to some or all of the following: academic record, special talents, leadership abilities, standards of character and citizenship, vocational objectives, and financial need. All applicants must file a brief questionnaire with the Committee on Scholarships of the University on a form provided by the University, and a Parent's Confidential Statement on a form to be secured from the scholarships counselor at a high school or college/university. All applicants for scholarships or grants must also apply for admission and must submit all applications in time to reach the Admissions Office and the Committee on Scholarships by February 15. An applicant must be approved for admission before his application for a grant can be considered. These are usually made for the entire school year, and the amount is divided equally between the two semesters or three terms. Final announcement of awards will be made by late summer.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 Freshman Class

Filing for formal application by applicant.
  Earliest date: September 1, 1978
  Latest date: March 1, 1979
  Application fee: $20
Notification of acceptance by school.
  Earliest date: April 15, 1979
  Latest date: open
Class
  Starting date: September 1979
  Ending date: May 1982
  Estimated size of class: 180

1980-81 "Projected" Freshman Class

Filing for formal application by applicant.
  Earliest date: September 1, 1979
  Latest date: March 1, 1980
  Application fee: $20
Notification of acceptance by school.
  Earliest date: April 15, 1980
  Latest date: open
Class
  Starting date: September 1980
  Ending date: May 1983
  Estimated size of class: 180

NOTE: These dates are subject to change. Please consult Office of Admissions for precise information.

GENERAL COMMENTS ON 1979-80 AND 1980-81 FIRST YEAR CLASSES

Applicant response to acceptance offer.
  Preferred time for response:
  Deadline for response: May 1, 1979
Deposit required and refund policy if applicant withdraws acceptance: $100 deposit by May 1, non-refundable after that date; 2nd deposit of $200 required on June 30; 3rd deposit of $200 required by August 15.

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

1979-80 Freshman Class

Tuition and Fees
  Resident: $6,375
  Non-resident: $6,375
Room and Board (minimum): $2,631
Books and Supplies: $800
Lab Fees: $150
Other Required Expenses: Health fee - $143
  Student Center fee - $25, Student body fee - $75

1980-81 "Projected" Freshman Class

Tuition and Fees
  Resident:
  Non-resident:
Room and Board (minimum):
Books and Supplies:
Lab Fees:
Other Required Expenses:

INFORMATION ON 1978-79 FIRST YEAR CLASS

Number of Students	Instate	Out of State, U.S.	Foreign	Male	Female	Total
	166	13	2	117	64	181

UNIVERSITY OF SOUTHERN CALIFORNIA
SCHOOL OF PHARMACY
2-4 Program Type

GENERAL INFORMATION

The School of Pharmacy is part of the University of Southern California, one of the largest private universities in the state. The School of Pharmacy was organized as an integral part of the university in 1905. Its aim is to provide pharmaceutical education and to supply a broad foundation for the student's professional career by offering systematic instruction and special training in those subjects requisite for the successful practice of pharmacy. In 1950, the first six-year Pharm.D. program in the United States was instituted here; in 1968 the School established the first program in clinical pharmacy in the U.S. The School of Pharmacy is located in metropolitan Los Angeles in a 7 story building on the Health Sciences Campus adjacent to the Los Angeles County/USC Medical Center, providing convenient access to the largest teaching hospital in the world, where USC medical and pharmacy students now receive their clinical training. The programs at the University of Southern California are designed so that members of the health care team will begin working as a unit at the student level. The USC School of Medicine, the Estelle Doheny Eye Foundation, and varied research facilities are joined by the School of Pharmacy in making up the USC Health Sciences Campus. This campus provides a complete school setting, with the Norris Medical Library, housing over 93,000 volumes, student health services, residence hall, cafeteria, and athletic facilities.

The School of Pharmacy is made up of 600 full-time students and 45 full-time faculty members. There are also over 100 pharmacists, in more than a dozen program-affiliated hospitals, holding courtesy faculty appointments. They work closely with the students in the teaching program of the School; this expands the faculty and physical facilities of the School to provide academic education in a practical context. Graduates of Pharm.D. programs are generally in high demand for both clinical and traditional positions, therefore, students are given diversified experience before graduation.

In addition to the Pharm.D. degree, the School of Pharmacy offers M.S. and Ph.D. graduate programs. Further information is available in the Bulletin of the School.

CURRICULUM

A four-year curriculum, based on two years of college prepharmacy work, leading to the Doctor of Pharmacy Degree (Pharm.D.) is offered for students admitted to the School of Pharmacy. The Pharm.D. is the only professional degree offered by the School.

A detailed list of courses is provided in the Bulletin and with the application for admission. The Curriculum Council has developed an educational program consistent with the patient care functions of the pharmacist, in addition to the usual functions necessary for licensure. The clinical aspects of pharmacy are introduced early in the program, leading to the series of clinical rotations which make up the final year of study. In addition, each student must complete 1,500 clock hours of approved practical experience under the supervision of the School and an approved Preceptor-Pharmacist.

REQUIREMENTS FOR ENTRANCE

Admission to the School of Pharmacy requires graduation from an accredited high school and two years (60 semester units) of acceptable college work. The 60 units of college credit must include the following required courses for admission to the School:

Course Title	Semester units required	Suggested courses at USC
Fundamentals of Economics	3	Econ 250a or 300
English Composition	6	English 101 & 102
Calculus with Analytical Geometry	6	Math 125 & 126
General Biology with Lab . .	8	Bio Sci 106abL
General Chemistry (Inorganic) with Lab	8	Chemistry 105abL
General Physics with Lab . .	8	Physics 105abL
Organic Chemistry with Lab	8	Chemistry 322abL
General Psychology	3	Psychology 200
Humanities and Social Sciences	10	(3 courses minimum)

The above list is meant to serve as a guideline. Please contact the Office of Admissions of the School of Pharmacy for the latest official information.

SELECTION FACTORS

Admission to the School is through the School of Pharmacy Office of Admissions, which receives and processes all applications and credentials. Because of the University's selective admissions policy and limited enrollment, only those applicants who present evidence of intellectual promise and strong general qualifications can be accepted. Admissions to the School is determined in all cases by the Office of Admissions and the School of Pharmacy Admissions Committee. The Admissions Committee is made up of faculty members who select from applicants who meet the minimum admissions requirements those deemed to be best qualified for the study and practice of pharmacy. The Committee considers the previous academic records and supporting materials supplied by the applicant to assess aptitudes and qualifications for the practice of pharmacy.

All applicants are required to take a general aptitude examination in order to be considered for admission. Those applicants who are currently living in California and Hawaii must take the examination administered by the USC Testing Bureau. Information on this examination is sent after formal application has been made. Students from other states for whom this may be a hardship may substitute the PCAT. No application can be considered without the appropriate test results on file.

Application forms may be obtained by mail or in person from: OFFICE OF ADMISSIONS, SCHOOL OF PHARMACY, 1985 ZONAL AVENUE, LOS ANGELES, CALIFORNIA 90033. The deadline for applications is March 1 for Fall admission. Applications must be received by that date. Only one class is admitted each year, for the Fall; no applications for Spring are accepted. The School of Pharmacy Office of Admissions is the only source for official information on admissions and requirements.

ADVANCED PLACEMENT TESTS

Advanced placement in some of the prepharmacy subjects is available at the discretion of the College of Letters, Arts, and Sciences of the University of Southern California, on consideration of the results of the CEEB Advanced Placement Tests or the College Level Examination Program.

The School of Pharmacy curriculum is a block system requiring eight (8) semesters for completion. This program requires full-time (16-18 semester units) attendance and can be neither accelerated nor prolonged.

FINANCIAL AID

Financial assistance for students in the School of Pharmacy is available through government loan and scholarship programs, and through the Financial Aid Office of the University of Southern California. Further information on aid and scholarships available through the School of Pharmacy is contained in the Bulletin.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 Freshman Class

Filing for formal application by applicant
   Earliest date: September 1, 1978
   Latest date: March 1, 1979
   Application fee: $25 Non-refundable

Notification of acceptance by School
   Earliest date: April, 1979
   Latest date: Open

Class
   Starting date: September 5, 1979
   Ending date May, 1980
   Estimated size of class: 155

1980-81 "Projected" Freshman Class

Filing for formal application by applicant
   Earliest date: September 1, 1979
   Latest date: March 1, 1980
   Application fee: $25 Non-refundable

Notification of acceptance by School
   Earliest date: April 1980
   Latest date: Open

Class
   Starting date: First week in September, 1980
   Ending date: May 1981
   Estimated size of class: 155

GENERAL COMMENTS ON 1979-80 AND 1980-81 FIRST YEAR CLASSES

Applicant response to acceptance offer
   Deadline for response: 15 days after notification
Deposit required and refund policy if applicant withdraws acceptance: $250 Non-refundable

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

1979-80 Freshman Class

Tuition and Fees)
Room and Board)
Books and Supplies) See below*
Lab Fees)

1980-81 "Projected" Freshman Class

Tuition and Fees)
Room and Board)
Books and Supplies) See below*
Lab Fees:)

*Information on Tuition, etc. will not be available until publication of the 1980-82 School of Pharmacy Bulletin. Tuition and Fees for Resident and Non-Resident students are the same. Exact figures for 1979 will be available by Spring of 1979. The University reserves the right to change without notice any terms stated in the Bulletin.

INFORMATION ON 1978-79 FIRST YEAR CLASS

	Instate	Out of State, U.S.	Foreign	Male	Female	TOTAL
Number of Students	152	6	2	99	61	160

UNIVERSITY OF COLORADO SCHOOL OF PHARMACY
2-3 Program Type

GENERAL INFORMATION

The University of Colorado School of Pharmacy was established in 1911. It is accredited by the American Council on Pharmaceutical Education and is a member of the American Association of Colleges of Pharmacy.

CURRICULUM

The five-year course of study in the School of Pharmacy leads to the Bachelor of Science (Pharmacy) degree upon completion of the required courses and a sufficient number of acceptable electives to make a minimum of 165 hours, with credit points equal to twice the number of hours attempted.

The undergraduate program in pharmacy is designed to prepare general practitioners for broad practice, rather than preparing them for a single place of practice within pharmacy.

Basic pharmaceutical sciences are offered on the Boulder Campus to third- and fourth-year students, while the fifth-year clinical program is offered at University of Colorado Medical Center in Denver.

The clinical program requires externship rotations in selected community and hospital pharmacies, in drug information service, and in clinical clerkships at Colorado General Hospital. Full-time clinical faculty are responsible for each of these required rotations. In addition, students are encouraged to complete elective clinical experiences in industrial pharmacy, nursing home consultation services, or additional community and hospital pharmacy rotations. Fifth-year students are provided the opportunity to acquire 540 contact hours of practical and clinical clerkship educational training, for which the Colorado State Board of Pharmacy allows 400 hours toward internship requirements.

Undergraduates in the School of Pharmacy with career interests in business administration may complete all of the requirements for both a Bachelor of Science (Pharmacy) degree and a Bachelor of Science (Business) degree by extending their study program by a minimum of one semester. The 48 semester credits required in the College of Business and Administration may be started in the second year or at the latest in the third year depending upon the pharmacy curriculum arrangements.

REQUIREMENTS FOR ENTRANCE

An applicant to the School of Pharmacy must satisfy the requirements of the University of Colorado in order to be considered for admission to the School of Pharmacy. Applications for admission to the School of Pharmacy are considered only for the fall semester and must be submitted by March 1 of the year for which admission is desired. All courses to be completed during the winter and/or spring terms must be listed on the application, and a supplementary transcript must be sent when the work is completed. Applications and transcripts should be addressed to the School of Pharmacy.

To be eligible for consideration for admission, applicants must have completed all pre-professional requirements with a grade of "C" or better as well as having a satisfactory overall grade point average computed on all courses attempted. Pre-professional requirements (in semester hours) are: English composition or foreign language, 6-10; general chemistry (to include qualitative and quantitative analysis), 8-10; general biology (or general zoology), 8-10; mathematics (algebra and trigonometry or calculus), 5-10; physics, 8-10; economics, 6. Approximately 15 semester hours (preferably in nonscientific areas) are recommended but not required for admission.

An applicant must have attained a cumulative grade point average of at least 2.0 (4.0 = A), however, admission to the School of Pharmacy is very competitive and a 2.0 average does not assure admission.

SELECTION FACTORS

The Pharmacy College Admission Test (PCAT) is required of all applicants and must be completed not later than February of the year for which admission is desired. Some of the factors that are considered in the selection of applicants include: the overall cumulative grade point average; individual grades in biology, chemistry, mathematics and physics; results of the PCAT; a review of the academic record for trends in scholastic aptitude and improvement; and a Pharmacy Questionnaire which provides information on previous work experience, involvement in extracurricular activities and the reasons why a professional career in pharmacy is being considered at this time. With the current interest in the study of pharmacy, the number of applications greatly exceeds the quota for admission, and preference has been given to qualified Colorado residents with proportionately less non-residents than residents being admitted.

ADVANCED PLACEMENT TESTS

Credit may be granted on the basis of examinations taken through the CEEB Advanced Placement Program and the College Level Examination Program (Subject examinations only), in non-laboratory subjects such as English, mathematics, economics, psychology, etc.

Residence Requirements. To be eligible to receive the degree in pharmacy, students who bring advanced credit from other schools or colleges of pharmacy will be required to complete a minimum of two academic years or four semesters of residence work at this University.

The American Association of Colleges of Pharmacy requires that a minimum of three academic years of residence work must be completed in an approved school or college of pharmacy regardless of the amount of college credit that may be accepted from other types of institutions.

To qualify for a semester of pharmacy residency, a student must be registered for at least 12 hours for credit in the School of Pharmacy on the Boulder campus. Pharmacy residency will not be granted for enrollment at University of Colorado campuses other than Boulder or through the Division of Continuing Education of the University.

FINANCIAL AID

Many students receive some type of scholarship, grant, long-term loan, or work-study assistance. Others receive assistance in finding both on-campus and off-campus employment. Short-term loans are also available.

Undergraduate students needing financial assistance for their education should contact the Office of Financial Aid, Willard Administrative Center, University of Colorado, Boulder, CO 80309. Application dates are March 15 for entering freshmen and April 1 for continuing and transfer students.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 First-Year Class

Filing of formal application by applicant.
  Earliest date: January 1, 1979
  Latest date: March 1, 1979
  Application fee: $10
Notification of acceptance by school.
  Earliest date: May 1, 1979
  Latest date: July 1, 1979
Class
  Starting date: September 5, 1979
  Ending date: May 23, 1980
  Estimated size of class: 65

1980-81 "Projected" First-Year Class

Filing of formal application by applicant.
  Earliest date: January 1, 1980
  Latest date: March 1, 1980
  Application fee: $10
Notification of acceptance by school.
  Earliest date: May 1, 1980
  Latest date: July 1, 1980
Class
  Starting date: September 3, 1980
  Ending date: May 22, 1981
  Estimated size of class: 65

GENERAL COMMENTS ON 1979-80 AND 1980-81 FIRST YEAR CLASSES

Applicant response to acceptance offer.
  Preferred time for response: 2 weeks
  Deadline for response: varies, approx. August 1
Deposit required: Resident, $100; Non-Resident, $300. (Due at confirmation date on statement; applies on tuition.)
Refund policy: If student withdraws acceptance, no refund of deposit is made.

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

1979-80 First Year Class

Tuition and Fees
  Resident: est. $902
  Non-resident: est. $3072
Room and Board (minimum): est. $1492
Books and Supplies: est. $240
Lab Fees: breakage

1980-81 "Projected" First-Year Class

Tuition and Fees
  Resident: est. $964
  Non-resident: est. $3318
Room and Board (minimum): est. $1546
Books and Supplies: est. $265
Lab Fees: breakage

INFORMATION ON 1978-79 FIRST YEAR CLASS

Number of Students	Instate	Out of State, U.S.	Foreign	Male	Female	Total
70	53	17	0	35	35	70

UNIVERSITY OF CONNECTICUT
SCHOOL OF PHARMACY
2-3 Program Type

GENERAL INFORMATION & CURRICULUM

The University of Connecticut is both a State University and a Land Grant College and as such has been established by Acts of Congress and of the General Assembly of Connecticut. The instructional offerings of the University are designed to achieve objectives in general and liberal education, in preprofessional, and in professional education. The Graduate School presents the opportunity for advanced study in a number of areas of specialization. In 1941 the General Assembly took over the assets of the Connecticut College of Pharmacy and added this institution to the schools and colleges of the University of Connecticut.

The pharmacy program, which had been inaugurated under independent auspices in New Haven in 1925, continued to operate there in New Haven under State auspices until 1951, when the program was moved to Storrs. The School of Pharmacy is on the main campus of the University of Connecticut at Storrs. A significant part of the program of the fifth year is offered at the University of Connecticut Medical Center in Farmington, and at affiliated hospitals in the greater Hartford area and at Yale-New Haven Hospital.

In conformity with plans approved by the Boards of Trustees of the six New England Land-Grant universities for regionalization of certain fields of specialized education The University of Connecticut School of Pharmacy has been designated as a regional New England School. To effectuate this policy, first priority in admission to the School is given to qualified applicants who are residents of Connecticut and second priority to qualified applicants from the other New England States with the exception of Rhode Island. Nonresident fees will be waived for undergraduate out-of-state students in the School of Pharmacy who can be identified as second priority regional students.

REQUIREMENTS FOR ADMISSION & PLACEMENT

Admission to the University of Connecticut is based on the following requirements: The applicant must be a graduate of an approved secondary school and must have completed at least sixteen units of work. At least 14 of the secondary school units presented for admission shall consist of college preparatory work. This college preparatory work shall include four years of English, three years of mathematics (two years of algebra and one year of plane geometry, or the equivalent). Chemistry and physics and four years of mathematics are recommended. The applicant's grades should place him in the upper range of his high school graduation class and he must submit satisfactory scores on the Scholastic Aptitude Test of the College Entrance Examination Board. Applicants who do not meet the specific course requirements may be admitted if the combination of rank in the graduating class and scores on the Scholastic Aptitude Test of the College Entrance Board is substantially higher than for those who meet subject requirements. The Pharmacy College Admission Test (PCAT) is not required at this time. Students may be admitted from other collegiate institutions having requirements similar to those of The University of Connecticut provided their records are acceptable. The number of transfer credits such students receive depends upon the character, quantity, and quality of the work they have done. For each applicant for admission with advanced standing, in addition to the high school record and Scholastic Aptitude Test scores, a record of all post-secondary work must be sent to the Admission Office directly from the institution at which the work was done. No student is admitted by transfer unless he is in good standing at and eligible to return to the last institution of higher learning which he has attended full time. Priority in admission is given to those students who have completed two years of college. Work of the college grade given in or under the direction of an accredited college or university as part of one of the armed services' programs will be accepted for credit on the same basis as other transfer work.

Transfer credit is not given for courses in which the student received the lowest passing mark.

All inquiries regarding admission should be addressed to the Admissions Office, The University of Connecticut, Storrs, Connecticut, 06268.

OUTSTANDING STUDENT PROGRAMS

There are, essentially, three programs which offer recognition and/or development of gifted students in pharmacy. Two of these, the Honors Program and Degree with Distinction, are University-level accolades requiring School of Pharmacy nomination and administration. The third, Investigation of Special Topics, represents a School-level recognition of promising students.

ADMISSION & SERVICES FOR MINORITY STUDENTS

The University recognizes the importance of intercultural understanding in education. To this end, the University has undertaken a program to encourage Afro-Americans, Puerto Ricans, Native Americans and other minorities to attend this institution. Questions regarding admissions should be directed to the Director of Admissions, and questions concerning financial aid should be directed to the Financial Aid Office. The facilities of the Afro-American Cultural Center, Puerto Rican Cultural Center, and the International Center are available to all students interested in developing and promoting an understanding of various cultures.

UNIVERSITY OF CONNECTICUT
SCHOOL OF PHARMACY

ADVANCED PLACEMENT AND CREDIT

College Entrance Examination Board Advanced Placement or College Level Examination Program tests or other examinations may be used as a basis for granting advanced standing to students at the time of admission. In such cases, the Admissions Office shall forward the records to the department teaching the subject matter covered by the test. The department, having examined the materials submitted, shall determine whether the student (1) is to be granted full credit for a specific course or (2) is to be permitted to use a specific course in meeting prerequisite requirements for more advanced courses or in fulfilling course requirements for graduation, or (3) neither of the preceding alternatives.

FINANCIAL AID

Financial assistance is available to many students to enable them to continue their education. This assistance, in the form of scholarships, financial aid grants, loans and part-time employment, is administered by the Student Financial Aid Office. Entering students should file the Basic Educational Opportunity Grant and a Parents' Confidential Statement or, if financially independent, a Student Financial Statement. These forms may be obtained from high school guidance counselors or from the Student Financial Aid Office.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 Freshman Class

Filing of formal application by applicant
  Earliest date: October 1, 1979
  Latest date: February 15, 1980
  Application fee: $15 ($20 for out-of-state)
--Notification of acceptance by school
  Earliest date: February 1, 1979
  Latest date: May 1, 1979
  Usual time from receipt of complete application to acceptance notice: Varies
Other information on 1979-80 Freshman Class
  Starting date: September 4, 1979
  Ending date: May 13, 1980
  Estimated size of class: 125

1980-81 "Projected" Freshman Class

Filing of formal application by applicant
  Earliest date: October 1, 1980
  Latest date: February 15, 1981
  Application fee: $15 ($20 for out-of-state)
--Notification of acceptance by school
  Earliest date: February 1, 1981
  Latest date: May 1, 1981
  Usual time from receipt of complete application to acceptance notice: Varies
Other information on 1980-81 Freshman Class
  Starting date: September 3, 1980
  Ending date: May 19, 1981
  Estimated size of class: 125

GENERAL COMMENTS ON 1979-80 and 1980-81 FRESHMAN CLASSES

Applicant response to acceptance offer
  Preferred time for response: 2 weeks
  Maximum time: Up to May 1
  Deposit fee to hold place in class (applies on fee bill): $60., due May 1 or at the time of response
  Deadline for cancellation of acceptance (no refund, may cancel anytime)

Estimated Expenses per Year for 1979-80 Freshman Class and "Projected" 1980-81 Freshman Class

Tuition and Fees per year (1979-80)
Resident: $940
Non-resident: $2180
Estimated expenses per year (1979-80)
Room and Board (minimum): $1500
Books and Supplies: varies
Lab fee: varies

Tuition and Fees per year (1980-81)
Resident: $940
Non-resident: $2180
Estimated expenses per year (1980-81)
Room and Board (minimum): $1500
Books and Supplies: varies
Lab fee: varies

INFORMATION ON 1978-79 FRESHMAN CLASS

Number of Students	Instate	Out-of-State, U.S.	Foreign	M	Total	F
Total - 131	102	29	0	60		71

HOWARD UNIVERSITY
COLLEGE OF PHARMACY AND PHARMACAL SCIENCES
2-3 Program Type

GENERAL INFORMATION

Howard University is the only truly comprehensive university with a predominately Black constituency. The University was conceived by members of First Congregational Society at a meeting in the District of Columbia in 1866. General Oliver Otis Howard, Commissioner of the Freedmen's Bureau, was a member of the founding group and the institution was named in his honor. Within the first three years of its existence, the University established a College of Liberal Arts and Schools of Law, Medicine, Pharmacy, and Religion. Since its founding by an Act of Congress on March 2, 1867, more than 35,000 graduates have been awarded degrees, diplomas or certificates, including graduate and professional degrees.

Today, the University faculty totals some 1500 professors, instructors and lecturers representing every major ethnic group, nationality and religion. The University's 10,000 students represent all races, the 50 states, the District of Columbia, and 92 foreign countries.

Among the University's 17 schools and colleges are the Colleges of Pharmacy and Pharmacal Sciences, Allied Health Sciences, Dentistry, Medicine, and Nursing. Together with the Howard University Hospital and University Health Services, they comprise the University's Center for Health Sciences.

The College of Pharmacy and Pharmacal Sciences, formerly the College of Pharmacy, was organized in 1868 and graduated its first class in 1870. The initial course held in the evening offered students a knowledge of the art and science of pharmacy. With advances in the field of medicine and the allied sciences, the College changed to a day program. In 1932, the College adopted a four-year curriculum as its minimum requirement, in keeping with the standards of the American Association of Colleges of Pharmacy. In 1960, the College curriculum was changed to a five-year program. In 1972 the American Council on Pharmaceutical Education adopted revised accreditation standards which made it possible for the College to shorten its five-academic year program to a new four-year accelerated curriculum. The Board of Trustees of the University approved the change in name from "College of Pharmacy" to the "College of Pharmacy and Pharmacal Sciences" in 1973 at the time the four-year, accelerated curriculum was approved. The Board of Trustees approved a change in the status of the College from an undergraduate to an upper division professional college 2-3. This change is effective with the 1978-79 academic year. A Doctor of Pharmacy degree program has been approved pending funding.

CURRICULUM

Presently, the College offers a three-year professional program of study leading to the Bachelor of Science in Pharmacy degree. This program is accredited by the American Council on Pharmaceutical Education, the national accrediting body for pharmacy colleges in the U.S.

Effective with the 1978-79 academic year, the College will admit only at the third year level, thereby effecting the change to an upper division professional college.

Within the College of Pharmacy and Pharmacal Sciences, students are trained along with medical, dental, nursing and allied health students in the interdisciplinary training environment of the Howard University Center for the Health Sciences and in other hospitals and health-care institutions in the metropolitan Washington, D.C. area. While students are able to specialize in one of several professional options, the Howard University Pharmacy graduate is to be able to perform the following essential services for patients and other health professionals:

--Compound, dispense, safeguard and advise patients on the proper use and handling or prescription medication;

--Advise and counsel patients on the proper use and handling of non-prescription medication, health appliances, diagnostic aids and related supplies;

--Serve as drug information specialists;

--Evaluate and select drugs and dosage forms for the physician and dentist;

--Monitor patients' drug therapy; and

--Advise the public on personal and environmental health problems.

A minimum of 68 semester hours in the prescribed curriculum is required for admission to the third year upper division professional program.

Direct all inquiries to:

Dr. Wendell T. Hill, Jr., Dean
College of Pharmacy and Pharmacal Sciences
Howard University
Washington, D. C. 20059

REQUIREMENTS FOR ENTRANCE

Generally, the students may be admitted to the College of Pharmacy and Pharmacal Sciences by presenting acceptable pre-pharmacy requirements.

The minimum pre-pharmacy requirements for admission to the upper division professional college are:*

General Chemistry	10	Credit	Hours
Organic Chemistry	9	"	"
Comparative Anatomy Lab/Lec	4	"	"
Zoology	4	"	"
English Composition	6	"	"
Mathematics (Pre-calculus)	5	"	"
Physics	10	"	"
Calculus for Architecture and Liberal Arts	5	"	"
Speech	3	"	"
**General Electives	12	"	"
Total Credit Hours:	68		

*Admission at Third Year Level
**Must Include Credit Hours in Psychology, Sociology and Economics.

HOWARD UNIVERSITY
COLLEGE OF PHARMACY AND PHARMACAL SCIENCES

Applicants should apply to:
Office of Admissions
Howard University
Washington, D. C. 20059

Applicants for admission from a regionally accredited college or university must have achieved a G.P.A. of 2.25 (based on a 4.00 scale) for all work taken at college level, including a 2.25 in biological and physical science courses taken. Applicants from a state accredited college or university must have achieved a 2.5 cumulative G.P.A. or better in all college level courses taken. The Pharmacy College Admissions Test (PCAT) is not required at the present time.

It is the applicant's responsibility to have duplicate official copies of transcripts of all college level work forwarded directly to the Dean or to the Director of Admissions. The applicant must also provide three (3) letters of recommendation from persons who can attest to the applicant's ability to pursue pharmacy study, one of whom should be a pharmacist and one of whom should be a present or former instructor. These letters should be addressed to the Dean, College of Pharmacy and Pharmacal Sciences, Howard University, Washington, D. C. 20059.

FINANCIAL AID

The University will make every effort to assist those students who have problems meeting the costs of higher education. In so doing, the University assists with:

Scholarships - Outright gifts of money awarded to students on the basis of academic achievement, financial need, and leadership qualities.

Grant-in-aid - Outright gifts of money awarded primarily on the basis of financial need.

Awards - Outright gifts of money awarded to students who participate in extra-curricular activity programs of the University or who excell in scholastic endeavors.

Loans - Grant of money made with the provision that the money be repaid.

Information concerning the aid programs of the University can be found in the College Bulletin or requested from the Director of Financial Aid at the University.

TIMETABLE FOR APPLICATION AND ACCEPTANCE

1979-80 Professional Year Class

Filing of formal application by applicant
Earliest date: November 1
Latest date : May 1
Application fee: $20.00
Notification of acceptance by school
Earliest date: January 20
Latest date : July 1
Usual time for receipt of complete application to acceptance notice: varies
Other information on 1978-79 Third Year Pharmacy Class
Starting date: August 24
Ending date : May 11
Estimated class size: 65

1980-81 Professional Year Class

Filing of formal application by applicant
Earliest date: November 1
Latest date : April 15
Application fee: $20.00
Notification of acceptance by school
Earliest date: January 20
Latest date : July 1
Usual time for receipt of complete application to acceptance notice: varies
Other information
Starting date: August 24
Ending date : May 11
Estimated class size: 65

Estimated Expenses per Year for 1978-79 First Professional Year Class

Tuition and Fees per year (1978-79)
Resident: $1550 ($775 per semester)
Non-Resident: $1550 ($775 per semester)
Enrollment fee: $60 (payable after acceptance)

Estimated Expenses per year (1978-79)
Room and Board (Minimum): $1650
Books and Supplies: $350

Tuition and Fees per year (1979-80)
Resident: $1550 ($775 per semester
Non-Resident: $1550 ($775 per semester)
Enrollment fee: $60 (payable after acceptance)

Estirated Expenses per year (1979-80)
Room and Board (Minimum) $1650
Books and Supplies: $350

FLORIDA AGRICULTURAL AND MECHANICAL
UNIVERSITY
SCHOOL OF PHARMACY
0-5 Program Type

GENERAL INFORMATION

The School of Pharmacy of Florida Agricultural and Mechanical University (FAMU) is a state operated institution of higher learning, under the State University Systems (SUS). Historically the School traces its origin back to the authorization in 1949 for the establishment of courses to be offered in pharmacy at Florida Agricultural and Mechanical College for Negroes (FAMC) by the Board of Control, Institutions of Higher Education, State of Florida. By Legislative Enactment in 1951, the Division of Pharmacy was established at FAMC, and the first courses of instruction in pharmacy were offered in September 1951. At the time of its establishment, there were no facilities for pharmacy on campus. Consequently, the Division of Pharmacy was immediately housed in temporary quarters in the FAMU Hospital until the completion of the Science Building that year. From that time until August 1972, the School of Pharmacy occupied the entire first floor of the Science Building, the Departments of Biology, Chemistry, and Physics occupying the other floors of the five story building. In September 1972, the School of Pharmacy moved to its present location in the Clifton G. Dyson Building, on the corner of Boulevard and Gamble Streets, not far from the State capitol in Tallahassee. Today, as always, the faculty, administration, and staff of the School of Pharmacy are dedicated and committed to a viable, ongoing program of pharmaceutical education.

CURRICULUM

The program in the School of Pharmacy provides the student with exposure to and involvement in educational and cultural activities with the objective of preparing him for the professional and administrative aspects of general practice, institutional practice, and for advanced studies leading to research in industry or government service. The program is broadly designed to accomodate students of widely varying pharmaceutical interests and backgrounds.

The School of Pharmacy subscribes to a year-round, 15-quarter program which spans four calendar years of pharmacy and which is subdivided into three phases--Phase A, the basic education component; Phase B, pre-clinical instruction, including the biomedical, pharmaceutical and sociobehavioral sciences; and Phase C, the clinical component during the last three quarters of residency. The school identifies its students according to the phase of the curriculum in which each is enrolled. Phase A represent a motivational component of the curriculum for the new student; Phase C, a refining practicum for the new professional.

A three (3) quarter supervised internship program is also an integral part of the clinical component of the professional curriculum. This program allows the student to observe and participate in the practical application of the materials learned during his didactic course work.

Address inquiries to:
Office of Pharmacy Careers
School of Pharmacy
Florida A and M University
Tallahassee, FL 32307
(904) 599-3586/599-3578

REQUIREMENTS FOR ADMISSION

Admission to the School of Pharmacy is effected through the Committee on Admissions and Academic Standards of the School of Pharmacy.

1. A student still in high school may apply at the beginning of his senior year through July 31 in requesting admission for the fall quarter following his graduation.

Sixteen units of high school work are required for admission. The following units are recommended:

English	3 units
Foreign	1 unit
Mathematics	2 units
Laboratory Science	2 units
Social Studies/ History/Civics	2 units
Typing	1 unit

2. Students applying for upper level standing are required to file a formal application for admission. In addition, the applicant must submit transcripts of all prior college work completed. Students interested in applying for upper level standing should request admissions information well in advance of the desired entry period.

A student must spend a minimum of nine (9) Quarters as a full time pharmacy student at Florida A and M. A minimum 12 quarter hours course load including required pharmacy courses as outlined in our curriculum must be taken each quarter.

SELECTION FACTORS

Persons in the following categories may be admitted to the School of Pharmacy:

A. Freshman Standing

1. A student from an accredited high school who has a satisfactory record in all academic subjects and who attained a satisfactory score on the Scholastic Aptitude Test (SAT) or the American College Test (ACT).

2. A student who has a satisfactory high school record and is considered by the Committee on

Admissions and Academic Standards to possess latent potential beyond that indicated by his test scores.
(800 SAT or 17 composite ACT are considered minimum acceptable test scores. However, those students with good academic records whose test scores are lower should still apply. A combination of past academic performance and test scores will be used in making final admissions decisions for freshman.)

B. Upper Level

1. A student must possess a minimum 2.50 cumulative G.P.A. (Based on 4.00 scale) in order to be considered for admission.
2. Admissions decisions are based on cognitive as well as non-cognitive factors. It is the desire of the admissions Committee to admit students who show an interest in the profession of Pharmacy and has attained academic exposure that would indicate potential for success in the Pharmacy Program.
3. The School does not require the Pharmacy College Admissions Test (PCAT) at this time.

FINANCIAL AID

The University maintains a Financial Aids Office to work with needy students and to give them financial assistance. This office seeks through analysis of student environment and family background to give financial assistance to those students who can best benefit from scholarships, loans and student employment directly administered by the Director of Financial Aids:
Scholarships-gifts of money awarded to students on the basis of established need and academic potential or achievement.
Employment-Work appointments to student jobs with the University as determined by the financial need and the ability of the student to perform specific tasks.
Loans-Grant of money to qualified students with the provision that it must be repaid.

Information about student financial aid should be requested directly from the Director of Financial Aid, Florida A and M University, Tallahassee, FL 32307.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 Freshman Class

Filing for formal application by applicant.
  Earliest date: September 1, 1978
  Latest date: July 31, 1979
  Application Fee: $15.00
Notification of acceptance by school.
  Earliest date: January 1, 1979
  Latest date: August 30, 1979
Class
  Starting date: September, 1979
  Ending date: June, 1980
Estimated size of Class: 75

1980-81 "Projected" Freshman Class

Filing for formal application by applicant.
  Earliest date: September, 1979
  Latest date: July 31, 1980
  Application Fee: $15.00(Subject to change)
Notification of acceptance by school.
  Earliest date: January 1, 1980
  Latest date: August 20, 1980
Class
  Starting date: September, 1980
  Ending date: June, 1981
Estimated size of Class: 80

GENERAL COMMENTS ON 1979-80 AND 1980-81 FIRST YEAR CLASSES

Applicant response to acceptance offer.
  Preferred time for response: 2 weeks
  Deadline for response: 6 weeks
Deposit required and refund policy if applicant withdraws acceptance:

Deposit not required at this time.

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

1979-80 Freshman Class

Tuition and Fees
  Resident: $705.00
  Non-resident: $1,740.00
Room and Board (minimum): $1,410.00
Books and Supplies: $200.00
Lab Fees:
Other Required Expenses:
(All fees subject to change)

1980-81 "Projected" Freshman Class

Tuition and Fees
  Resident: $705.00
  Non-resident: $1,740.00
Room and Board (minimum): $1,410.00
Books and Supplies: $200.00
Lab Fees:
Other Required Expenses:
(All fees subject to change)

UNIVERSITY OF FLORIDA
COLLEGE OF PHARMACY

PROGRAM TYPE: 2-3

GENERAL INFORMATION

The University of Florida is a combined state University and land-grant college located in Gainesville in the northern center of the State. While its beginnings go back to the days previous to Florida's admission to the Union in 1845, its first college--the College of Arts and Sciences--did not open until 1853. The College of Pharmacy was established in 1923. There are nineteen separate colleges in the University.
The College of Pharmacy, a unit in the J. Hillis Miller Health Center, provides clinical pharmacy instruction in the Shands Teaching Hospital and Clinics. The equipment includes pharmaceutical machinery for manufacturing dosage forms on a pilot-plant scale and modern facilities for undergraduate and graduate work in pharmacy and pharmaceutical chemistry. A ten-acre tract is used by the College of Pharmacy for a medicinal plant garden.

CURRICULUM

The curriculum leading to the degree of Bachelor of Science in Pharmacy provides instruction in subjects which are essential for the successful practice of the profession in community, hospital, and institutional pharmacies. Supervised practicum clerkship is received in both community and hospital pharmacies, and as well, clinical pharmacy experience in various patient areas in the Shands Teaching Hospital. The curriculum provides a strong background for additional study to pursue the M.S. in Pharmacy and Ph.D. degrees offered by the College. The Doctor of Pharmacy (Pharm.D.) degree is also offered.

REQUIREMENTS FOR ENTRANCE

University College Students: Students may enroll at the Univeristy of Florida in University College (Lower Division) to satisfy the recommended prepharmacy program. To be eligible for admission to the College of Pharmacy, a University College student must have: (1) earned at least 96 quarter hours of acceptable college credit with an overall average of "C" or higher on all college level work attempted; (2) completed all lower division courses required for the desired curriculum as indicated in the program for the freshman and sophomore years in the University College section of the University Catalog; and (3) passed all required pre-professional courses within the lower division curriculum.

Transfer Students: To be eligible for admission to the College of Pharmacy, a transfer student must satisfy the minimum requirements for admission to an Upper Division College that are set forth in the ADMISSIONS Section of the University Catalog. Additionally, the applicant must satisfy the following specific requirements for admission to the College of Pharmacy; (1) the applicant must have completed the courses required for the desired curriculum as indicated in the program for the freshman and sophomore years in the University College section of the University Catalog or their equivalent, and (2) passed all required pre-professional courses with a minimum grade of "C". The following conditions will serve as a guide in the expediting transfer to the College of Pharmacy in compliance with the above requirements.

A. Students attending four-year colleges, who wish to transfer after two years, should follow a program of general education and pre-professional courses similar to the Basic Curriculum for the Freshman and Sophomore Years for students planning to enter the College of Pharmacy as outlined in the University College section of the University Catalog.

B. Junior College students should:
  1. Complete the two-year college parallel program at the junior college
  2. Satisfy the general education requirements established for the junior college
  3. Complete the following prerequisites:
    a. A one-year program in general chemistry
    b. A one-year program in organic chemistry
    c. A one-year program in physics
    d. A one-year program in biological sciences
    e. A mathematics program through the first course in calculus.

SELECTION FACTORS

Applications are encouraged from qualified students from all cultural, racial, religious and ethnic groups. Admission to this College is a selective process; therefore, meeting the minimum requirements for admission does not automatically guarantee acceptance. Due to limitations of staff and facilities, the College has had to establish quotas for the admission of new students. Through the Admissions Committee, the College of Pharmacy selects eligible applicants on an annual basis within its established quota, which is currently set at 125 new students each year. The Admissions Committee will consider such factors as education objectives, adequacy of prerequisites, student performance and academic record, PCAT scores, interview evaluation, and the student's personal record. Students demonstrating evidence of academic excellence, strong motivation for a career in pharmacy, and an acceptable interview evaluation will be given priority for admission and will be notified of their acceptance. Applicants whose qualifications clearly indicate that they will not be selected within the quota will be notified at the earliest possible date. Since only one sequence of the required pharmacy courses is offered each year, admission of new students to the College of Pharmacy is limited to the Fall Quarter. Scores on the PCAT are required.

Application forms for admission are obtained from:	Office of the Registrar Admissions Section University of Florida Gainesville, FL 32611
Address inquiries on Pharmacy to: 904-392-3405	Charles H. Becker, Asst. Dean Office for Student Affairs College of Pharmacy, Box J-4 University of Florida Gainesville, FL 32610

ADVANCED PLACEMENT TESTS

University Requirements - In addition to specific requirements for admission to the University described in the University Catalog, an applicant must present satisfactory scores on an acceptable general ability test such as the SAT, ACT, and SCAT.

College of Pharmacy Requirements - All applicants are required to submit scores of the Pharmacy College Admission Test (PCAT). March 1 of the year the student wishes to enter is the deadline for submitting the completed application to the University Registrar. For this reason, it is important that the PCAT be taken in November and no later than in February to be considered for the fall (September) entering class. The Psychological Corporation, 304 East 45th Street, New York City, NY 10017, which administers the PCAT should be notified to send scores to the College of Pharmacy. The minimum residency requirement in the College of Pharmacy is nine quarters.

FINANCIAL AID

There are many sources of financial aid available through the University and the College of Pharmacy, and in general, these comprise loans, scholarships, grants-in-aid, and part-time employment. Financial assistance is limited and available to qualified students only. In the case of scholarships, where an outright gift of money is awarded, this will usually cover tuition costs. In some instances the non-resident fee may be waived. An application for financial assistance cannot be processed or approved until the applicant is accepted to the College of Pharmacy.

Address inquiries on financial assistance to:

Charles H. Becker, Asst. Dean
Office for Student Affairs
College of Pharmacy, Box J-4
University of Florida
Gainesville, FL 32610

ADDITIONAL INFORMATION

In addition to the B.S. degree in Pharmacy, the degree Doctor of Pharmacy (Pharm.D.) is offered which requires 2 years beyond the B.S. in Pharmacy for completion. It comprises a minimum of 48 quarter hours credit of didactic course work and one year of supervised residency.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 Freshman Class

Filing for formal application by applicant.
  Earlest date: September 1, 1978
  Latest date: March 1, 1979
  Application fee: $15.00
Notification of acceptance by school.
  Earliest date: Approximately March, 1979
  Latest date: Approximately June, 1979
Class
  Starting date: September 24, 1979
  Ending date: May 31, 1980
  Estimated size of class: 125

1980-81 "Projected" Freshman Class

Filing for formal application by applicant.
  Earliest date: September 1, 1979
  Latest date: March 1, 1980
  Application fee: $15.00
Notification of acceptance by school.
  Earliest date: Approximately March, 1980
  Latest date: Approximately June, 1980
Class:
  Starting date: Not available
  Ending date: Not available
  Estimated size of class: 125

GENERAL COMMENTS ON 1979-80 AND 1980-81 FIRST YEAR CLASSES

Applicant response to acceptance offer.
  Preferred time for response: Within 30 days or sooner.
  Deadline for response: Date specified in transmittal letter
Deposit required and refund policy if applicant withdraws acceptance: None

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

1979-80 Freshman Class

Tuition and Fees
  Resident: $16.50 per quarter hour credit
  Non-resident: $51.50 per quarter hour credit
Room and Board (minimum): $1900.00
Books and Supplies: $350.00
Lab Fees: None
Other Required Expenses: $100.00

1980-81 "Projected" Freshman Class

Tuition and Fees
  Resident: $16.50 per quarter hour credit
  Non-resident: $51.50 per quarter hour credit
Room and Board (minimum): $2100.00
Books and Supplies: $350.00
Lab Fees: None
Other Required Expenses: $100.00

INFORMATION ON 1978-79 FIRST YEAR CLASS

Number of Students	Instate	Out-of-State, U.S.	Foreign	Male	Female	Total
132	126	6	1	76	56	132

MERCER UNIVERSITY
SOUTHERN SCHOOL OF PHARMACY
2-3 (Bachelor of Science)
2-3-2 (Doctor of Pharmacy)

GENERAL INFORMATION

The objective of the Southern School of Pharmacy of Mercer University is to prepare men and women for the practice of the profession of pharmacy.

The Southern School of Pharmacy opened in Atlanta, Georgia, in 1903, as an independent college. In 1938, the private ownership was transferred to a Board of Trustees. In 1959, a merger with Mercer University was effected. The University, affiliated with the Georgia Baptist Convention, consists of the College of Liberal Arts, the Walter F. George School of Law, and the School of Medicine, all located in Macon, Georgia, and the Southern School of Pharmacy, located in downtown Atlanta, and Mercer University in Atlanta.

The School of Pharmacy occupies a modern teaching facility adjacent to the Georgia Baptist Medical Center. The building was completed in 1972 and houses large lecture rooms, fully equipped laboratories, a spacious animal facility, a large student lounge, faculty offices, etc.

The Mal T. Anderson Pharmacy is an operating model pharmacy serving the people of Atlanta. All students receive professional instruction within the pharmacy as part of their clinical program.

The H. Custer Naylor Library is nationally recognized as one of the outstanding pharmacy libraries in the United States.

The Branan Drug Analysis and Toxicology Laboratory offers a variety of services including therapeutic monitoring, drug analysis, emergency toxicology procedures and quality control programs. The Laboratory is an integral part of the school's research and teaching programs. All students participate in the activities of the Laboratory.

CURRICULUM

BACHELOR OF SCIENCE IN PHARMACY

The professional program of the Southern School of Pharmacy is designed to enable its graduates to assume leadership roles in all areas of pharmacy.

The greater Atlanta area affords a variety of practical experiences for students, many of which can be found in no other city in the South. The curriculum integrates classroom skills with actual practice in a multitude of hospitals, community pharmacies, and medical clinics throughout the city.

The School of Pharmacy requires a minimum of 155 quarter hours of professional credits in its curriculum.

DOCTOR OF PHARMACY

In 1972, Mercer University initiated the Doctor of Pharmacy program. This affords the pharmacy student an opportunity to pursue an advanced academic program. The objective of our Doctor of Pharmacy program is to develop practicing clinicians who possess an extensive background in therapeutics plus the professional expertise to fulfill the needs of both ambulatory and institutionalized patients.

Entrance into the Doctor of Pharmacy program requires the B.S. in Pharmacy degree from an accredited college of pharmacy. Generally a grade-point average of 3.0 or better on a 4.0 scale is required, and entrants must be registered to practice pharmacy in at least one state.

Official transcripts must be sent from the issuing institution directly to the Doctor of Pharmacy Admissions Committee. Applicants are also required to have three letters of recommendation, preferably from professors in the pharmaceutical sciences and from practicing pharmacists or physicians. Each applicant must appear before the Doctor of Pharmacy Admissions Committee for a personal interview.

REQUIREMENTS FOR ENTRANCE

Students may apply for the B.S. in Pharmacy program after completion of 45 quarter hours of pre-professional work at an accredited college or university. Full appointment is not given until completion of all admission requirements.

Pre-professional Course Requirements:

Inorganic Chemistry	10 qtr. hours
Organic Chemistry	10 qtr. hours
Biology	10 qtr. hours
Physics	5 qtr. hours
Mathematics	5 qtr. hours
Economics	5 qtr. hours
English (including composition)	10 qtr. hours
Electives, Humanities, etc. (excluding P.E. and Military)	35 qtr. hours
Total	90 qtr. hours

SELECTION FACTORS

Admission into the School of Pharmacy of Mercer University is highly selective. Once a student qualifies under the minimum academic standards, he then must appear before the Admissions Committee for an interview. Students with overall averages below 2.75 (on a 4.0 scale) will not qualify for the interview. The Pharmacy College Admission Test (PCAT) is required of all applicants.

FINANCIAL AID

There are several sources of financial aid available based on need factors. Also, the Georgia Tuition Grant is a non-repayable stipend provided regardless of need to undergraduate students of private Georgia colleges. All legally domiciled residents (1 year) are eligible.

MERCER UNIVERSITY
SOUTHERN SCHOOL OF PHARMACY

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 Freshman Class

Filing of formal application by applicant
- Earliest date: September 1, 1978
- Latest date: August 30, 1979

Notification of acceptance by school
- Rolling Admission
- Notification within two weeks after interview

Class Starting date: September 10, 1979
- Ending date: May 30, 1980
- Estimated size of class: 100

1980-81 Freshman Class (Projected)

Filing of formal application by applicant
- Earliest date: September 1, 1979
- Latest date: August 30, 1980

Notification of acceptance by school
- Rolling Admission
- Notification within two weeks after interview

Class Starting date: September 8, 1980
- Ending date: June 5, 1981
- Estimated size of class: 100

GENERAL COMMENTS ON 1979-80 AND 1980-81 FIRST-YEAR CLASS

Applicant response to acceptance offer:

Preferred time for response: response required within two weeks after acceptance offer.
Deposit required $125.00; non-refundable if applicant withdraws acceptance.

ESTIMATED EXPENSES PER YEAR FOR FIRST-YEAR CLASS

1979-80 Freshman Class

Tuition and Fees	
Resident	$2,850.00
Non-resident	(same)
Room and Board* (minimum)	2,403.00
Books and Supplies	200.00
Lab Fees	none
Other Required Expenses	1,303.00

*Not provided by school

1980-81 Freshman Class

Tuition and Fees	
Resident (projected)	$3,000.00
Non-resident	(same)
Room and Board* (minimum)	2,643.00
Books and Supplies	200.00
Lab Fees	none
Other Required Expenses	1,420.00

ESTIMATED INFORMATION ON 1978-79 FIRST-YEAR CLASS

September 1978 Class (Freshman)

Number of Students	Instate	Out of State	U.S.	Foreign	Male	Female	Total
110	35	70	105	5	72	38	110

January 1979 Class (Freshman)

Number of Students	Instate	Out of State	U.S.	Foreign	Male	Female	Total
11	5	5	10	1	8	3	11

ADDRESS ALL INQUIRIES TO:

Mercer University
Southern School of Pharmacy
345 Boulevard N.E.
Atlanta, Georgia 30312

UNIVERSITY OF GEORGIA
SCHOOL OF PHARMACY

PROGRAM TYPE

2-3

GENERAL INFORMATION

In 1903, the committee on laws and disciplines of the Board of Trustees authorized the organization of a School of Pharmacy at The University of Georgia at Athens. At the same time, Dr. S. C. Benedict was appointed to the chair of Materia Medica in the School. Space was allocated in Terrell Hall for the School, and six students enrolled for the 1904-1905 year. The educational objective of those six registrants was to matriculate for two years and receive a Ph.G. degree. In January 1907, due to an illness of Dr. Benedict, Mr. Robert C. Wilson was elected Instructor in Pharmacy to relieve Dr. Benedict of many of the classroom activities. Dr. Benedict remained as dean until 1914, when Professor Wilson was placed in charge of the Department of Pharmacy as director. In 1924, Professor Wilson became dean of the School of Pharmacy and made his first report to the Board of Trustees in that capacity. He noted, for the first time, that the School had included women students. Dean Wilson's continuous struggle to improve pharmacy in Georgia led to development of the first four year pharmacy degree in the nation, beginning in 1926. In 1939, the School moved to quarters in New College and was accredited by the American Council on Pharmaceutical Education, a rating which has been maintained continuously since that time.

Upon Dean Wilson's retirement in 1948, Dr. Kenneth L. Waters was named dean of the School of Pharmacy. Under Dean Waters' guidance the School grew in both undergraduate and graduate enrollment to the point where a new facility was deemed essential. The building was completed in 1964. One year later, the first students of the five year pharmacy program graduated.

Upon Dr. Waters' retirement from the position of dean in 1977, Dr. Howard C. Ansel was named to lead the School.

CURRICULUM

The purpose of the University of Georgia School of Pharmacy is to provide for the comprehensive academic needs of the profession of Pharmacy. Manpower needs of the profession are supplied through the School's undergraduate education program, which prepares students for the practice of pharmacy, and through its graduate program, which prepares individuals for professional specilization and for a career in teaching and research. The post-graduate educational needs of the profession are met by the School's continuing education and service programs. Faculty research supports all of these programs and contributes to the advancement of the body of pharmaceutical knowledge.

The Bachelor of Science in Pharmacy degree is awarded to students who successfully complete a five year study of prescribed courses. The first two years (pre-pharmacy) may be completed at any accredited institution of high education. The last three years (professional) must be in residence at the School of Pharmacy. Nine quarters of residence in the professional program are required by the American Council on Pharmaceutical Education.

REQUIREMENTS FOR ENTRANCE

To be admitted to the professional program in the School of Pharmacy, a student must complete the pre-pharmacy requirements. At The University of Georgia the pre-pharmacy program is administered through the College of Arts and Sciences. The two years of pre-pharmacy education require satisfactory completion of not less than 90 quarter hours of academic work counting toward the degree. In addition, students must meet the general requirements for physical education. Students with high academic averages, having 90 hours of credit, may be admitted with not more than 5 quarter hours of non-science deficiencies in required courses, provided such deficiencies are cleared with their pre-pharmacy adviser and are completed during their first professional year.

Pre-Pharmacy Requirements:

	HOURS
Chemistry 121, 122, 123	15
Chemistry 240, 241	10
[1]Math 116	5
Biology 101-102	10
Physics 127-128	10
English 101-102	10
Speech 108	5
[2]History	5
[3]Political Science 101	5
Economics 105	5
Physical Education	6
[4]General Electives	10

1. Or equivalent precalculus math.
2. The History Qualifying Examination will not fulfill this requirement.
3. Exemption of Federal and Georgia Constitution will not fulfill this requirement.
4. Must be chosen from the humanities and social sciences with 5 hours from each.

SELECTION FACTORS

Application to the School of Pharmacy must be received by February 1. Students may make application to the Dean of the School of Pharmacy when they have completed four quarters of work and are currently enrolled for 15 hours. Transcripts showing all college work taken should accompany the application. In considering applications for admission to the School of Pharmacy, preference will be given to in-state students having a 2.5 or above grade point average on all college work completed. It is required that each applicant take the Pharmacy College Admission Test and desirable that they attend a personal interview prior to entering the school.

ADVANCED PLACEMENT TESTS

Freshmen students entering the University of Georgia are eligible to exempt courses by utilizing the College Entrance Examination Board Advancement Placement tests.

FINANCIAL AID

Students attending the University have nearly half the actual expense of their college education shared by the State of Georgia. Through the tax support of Georgians, The University of Georgia can offer a quality education at an economic cost. In addition, the University provides financial help for any student who needs aid and is progressing normally toward graduation. No qualified students need hesitate to apply for financial aid if money is needed to pursue an education in Pharmacy. For information concerning financial aid write to: Mr. Kenneth Phillips, Director, Student Financial Aid, Academic Building, University of Georgia, Athens, Georgia 30602.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 Freshman Class

Filing for formal application by applicant.
    Earliest date: October 1, 1978
    Latest date: February 1, 1979
    Application fee: $10
Notification of acceptance by school.
    Earliest date: March 1, 1979
    Latest date: May 15, 1979
Class
    Starting date: June and September
    Ending date: June, 1980
    Estimated size of class: 160

1980-81 "Projected" Freshman Class

Filing for formal application by applicant.
    Earliest date: October 1, 1979
    Latest date: February 1, 1980
    Application fee: $10
Notification of acceptance by school.
    Earliest date: March 1, 1980
    Latest date: May 15, 1980
Class
    Starting date: June and September
    Ending date: June, 1981
    Estimated size of class: 160

GENERAL COMMENTS ON 1979-80 AND 1980-81 FIRST YEAR CLASSES

Applicant response to acceptance offer.
    Preferred time for response: March 31
    Deadline for response: None
Deposit required and refund policy if applicant withdraws acceptance: None

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

1979-80 Freshman Class

Tuition and Fees - per quarter
    Resident: $234
    Non-resident: $234 + $317 ($551)
Room and Board (minimum): $428
Books and Supplies: $100
Lab Fees: $50
Other Required Expenses: None

1980-81 "Projected" Freshman Class

Tuition and Fees - per quarter
    Resident: $234
    Non-resident: $234 + $317 ($551)
Room and Board (minimum): $428
Books and Supplies: $100
Lab Fees: $50
Other Required Expenses: None

INFORMATION ON 1978-79 FIRST YEAR CLASS (As of July 25, 1978)

Number of Students	Instate	Out of State, U. S.	Foreign	Male	Female	Total
166	132	30	4	95	71	166

IDAHO STATE UNIVERSITY
COLLEGE OF PHARMACY
2-3 Program Type

GENERAL INFORMATION

The College of Pharmacy of Idaho State University, a state-operated institution of higher learning, was established in 1918 as part of the Idaho Technical Institute. In 1927, the Institute became known as the University of Idaho, Southern Branch; and in 1947 the name of the Institute was changed once again to Idaho State College. With the rapid growth of various departments, the Idaho State Legislature, in 1963, approved a change in the name of the College to Idaho State University.

The University offers, in addition to instructions in the College of Pharmacy, academic programs in a variety of professional and liberal arts fields in its Colleges of Business, Education, Liberal Arts, Health Related Professions, School of Engineering, and Graduate School.

Idaho State University is fully accredited by the Northwest Association of Secondary and Higher Schools. The College of Pharmacy is accredited by the American Council on Pharmaceutical Education and holds membership in the American Association of Colleges of Pharmacy.

CURRICULUM

The College of Pharmacy offers a five-year undergraduate program of education in professional and liberal arts courses leading to the degree of Bachelor of Science in Pharmacy. The five-year curriculum, adopted in 1956, is arranged as a two- and three-year program; that is, two pre-professional years of general studies in a liberal arts college followed by three years of study in the College of Pharmacy. The aims and objectives of the College of Pharmacy are to provide a liberal and professional education (patient oriented) designed to prepare the pharmacy student to meet the challenges of the many opportunities within the profession and to assist the student in gaining a better understanding of our culture. The five-year curriculum allows adequate time for the students of pharmacy to broaden their education through the selection of liberal arts courses, to strengthen their scientific background in the event that they desire to work for advanced degrees, or to specialize in community or hospital pharmacy by the selection of advanced professional courses or courses in business, economics and related subjects.

REQUIREMENTS FOR ENTRANCE

The recommended high school background for students planning to enter the pre-pharmacy program at Idaho State University includes four units of mathematics and three units of natural science (biology, chemistry and physics). Students who enroll at Idaho State University and who seek admission to the College of Pharmacy must complete or have already completed the equivalent of the courses outlined under the pre-professional program. A student should declare a major in pharmacy as soon as possible in order to be assigned a professional advisor. In order to be admitted to the College of Pharmacy, a student's accumulative grade point average in all previous college courses which could be applied toward a degree in pharmacy must be 2.5 or above.

First Pre-Professional Year	Credits
General Chemistry 121-122	8-10
English Composition 101-102	6
Essentials of Calculus 120 or Calculus and Analytical Geometry 121	5
Electives*	10-12

Second Pre-Professional Year	
General Zoology 101-102	4
Cell Biology 204	4
Organic Chemistry 301-303	8
Biophysics 312 or Equiv. Physics 211-212	4 or 8
General Microbiology MB & BC 235	4
Electives*	6-10

*30 hours must be in English, math, social sciences, humanities and general education for the B.S. degree in Pharmacy.

SELECTION FACTORS

Idaho State University welcomes all students of good character who provide evidence of suitable preparation for work at the college level. Write directly to the Registrar (Admissions Office) for required admission forms and accompanying instructions. Students are admitted only in the fall semester. Each student planning to attend Idaho State University must complete and submit to the Office of the Registrar and Admissions the application for admission form. Admission and other record coding is entered on this application form, which in turn supplies the needed information to initiate and prepare the student's IBM registration packet. Admission documents (including, 1) application for admission, 2) high school and college transcripts, 3) application for housing, 4) ACT program test scores, 5) health form) should reach the Office of the Registrar and Admissions in February or early March. In order to obtain on-campus housing, a student should apply as soon as possible after completion of six semesters of high school work. First semester applications for admission must be received by March 15. A student who submits an application after this date can be given no assurance he or she may register for the fall semester. As a matter of convenience the application for housing is mailed from and returned to the Office of the Registrar and Admissions. Thereafter, the responsibility rests with the Director of Student Housing and all subsequent correspondence should be directed to the Director. A transfer student is a student who has registered and received grades at any college or university previous to being admitted to Idaho State University. A transfer student is required to have a 2.5 accumulative grade point average (gpa) from all other schools attended before he or she will be allowed to enter Idaho State University. Transfer students meeting this requirement should send an application for admission, an official high school transcript, as well as separate official transcripts for each of the collegiate institutions attended, results of the ACT program test, a health form completed by a qualified physician, and a housing application to the Office of the Registrar and Admissions, Idaho State University. The transcripts must be mailed directly from the office of each school attended to the Office of the Registrar and Admissions, Idaho State University. Students must apply for admission prior to March 15 for first semester. All credentials must reach the Office of the Registrar and Admissions prior to March 15 for first semester. The Pharmacy College Admission Test (PCAT) is required for admission.

FINANCIAL AIDS

Scholarships, awards and prizes at Idaho State University are administered through the Scholarships, Awards, and Prizes Committee. Scholarship money is made available through student fees, generosity of individuals and contributions of many business, labor, fraternal and professional organizations. A student desiring a scholarship applies only once to be considered for all scholarships. Applicants who meet the specified criteria listed in the scholarship are considered automatically for each award. All inquiries and applications should be directed to the Chairman, Scholarships, Awards and Prizes Committee, Idaho State University.

Aid is also available in forms of grants, loans, part time employment and through the National Defense Student Loan Program, the Health Professions Student Scholarship Program, and several local short-term loan funds. Undergraduate students may borrow up to $1,000 per year; graduate students may borrow larger amounts. Favorable repayment terms are offered. Information on financial aids may be obtained by writing to the Director of Financial Aids.

EXPENSES, 1979-80 and 1980-81:

The fees and charges listed here are those which were current at the time this was printed. Any fee or charge is subject to change without notice by the State Board of Education.

In general, the expenses of Idaho State University students may be divided into the classification of fees, board and room. These costs are estimated and described as follows:

Registration Fee:

1st Semester	2nd Semester	Per Year
$210	$210	$420

Approximate room and board charges for single students living on campus:

$620 - $780 per semester
$1,240 - $1,500 per year

Apartments for married students:

$75 - $172 per month

The above estimates do not include the cost of laundry, bedding, books or personal items which vary greatly depending on the tastes, demands or financial means of the individual student. In addition to the above, some courses may require the expense of special uniforms, protective clothing, or field trips.

Special Fees:

Non-resident tuition-- Undergraduate student (per semester)	$500
Non-resident tuition-- Graduate student (per semester)	$500

A student who has not been domiciled in Idaho for twelve consecutive months is required to pay the non-resident tuition in addition to the registration fee charged residents of the State of Idaho. The legal residence of a student who has attained voting age shall be considered the same as that of the parent or the legal guardian in the case of adoption. Any person who has been classified as a non-resident student can establish residency by remaining in the State of Idaho for twelve consecutive months. All questions concerning residency shall be directed to the I.S.U. Business Office, Box 8219, Pocatello, Idaho 83209.

Late registration fee -- $10

Further information available from Dean Frank P. Cosgrove, College of Pharmacy, Idaho State University, Pocatello, Idaho 83209.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 Freshman Class

Filing for formal application by applicant.
  Earliest date: October 1, 1978
  Latest date: March 15, 1979
  Deposit required: $150 (ret'd. if not accepted)
Notification of acceptance by school.
  Earliest date: March 20, 1979
  Latest date: June 1, 1979
Class
  Starting date: August 27, 1979
  Ending date: May 16, 1980
  Estimated size of class: 84

1980-81 "Projected" Freshman Class

Filing for formal application by applicant.
  Earliest date: October 1, 1979
  Latest date: March 15, 1980
  Deposit required: $150 (ret'd. if not accepted)
Notification of acceptance by school.
  Earliest date: March 20, 1980
  Latest date: June 1, 1980
Class
  Starting date: August 25, 1980
  Ending date: May 15, 1981
  Estimated size of class: 84

GENERAL COMMENTS ON 1979-80 AND 1980-81 FIRST YEAR CLASSES

Students are admitted to the professional program only in the fall semester. The enrollment quota for the first professional year is 84 students, thus it is recommended that students desiring admission to the professional program send in their applications early. The deadline for submitting applications for the fall semester is March 15.

ESTIMATED INFORMATION ON 1978-79 FIRST YEAR CLASS

Number of Students	Instate	Out of State, U.S.	Foreign	Male	Female	Total
84	40	29	15	59	25	84

UNIVERSITY OF ILLINOIS AT THE MEDICAL CENTER COLLEGE OF PHARMACY

1-4 or 2-3 program. Students electing 2-3 option must attend summer session prior to second professional year entrance

GENERAL INFORMATION

The University of Illinois College of Pharmacy is the oldest College in the University. It was organized in 1859 as the Chicago College of Pharmacy. During the Civil War the school was closed and was not reopened until 1870. When its property was destroyed by the Great Chicago Fire in 1871, pharmacists the world over furnished books and equipment which enabled the College to begin operations again in the following year. In 1896 it became the School of Pharmacy of the University of Illinois, and in 1932 its name was changed to the College of Pharmacy when the curriculum leading to the degree of Bachelor of Science became effective. In 1939 the College of Pharmacy moved from 715 Wood Street to quarters in the Dentistry-Medicine-Pharmacy Building at 808 South Wood Street. Teaching and research facilities of the College were greatly expanded by the occupancy of a new classroom and laboratory building in 1954. The six story Pharmacy Building at 833 South Wood Street, with a new wing added and completed in 1969, provides classrooms, lecture halls, a video equipped auditorium, manufacturing, research, teaching, and dispensing laboratories. A snack bar, lounge area, and locker space for student use is available in the lower floor of the building.

On its present site at 833 South Wood Street, the College of Pharmacy is located just west of Chicago's Loop. It is easily accessible by public transportation or automobile. The College of Pharmacy is conveniently located close to the University of Illinois Hospital and is adjacent to the Replacement Hospital facility. Its central location on the Medical Center Campus makes it easily accessible to the Chicago Illini Union, the Medical Center Library, the Colleges of Medicine, Dentistry, Nursing, School of Associated Medical Sciences and School of Public Health.

Moreover, the location of the College in the central city area makes for convenient and accessible affiliation with major teaching hospitals and medical centers throughout the metropolitan area. Students can travel to these sites as required in specific curriculum areas utilizing Regional Transportation Authority routes or private automobile.

The College of Pharmacy offers the last four years of a five year curriculum leading to the degree of Bachelor of Science in Pharmacy. One year of college work required for admission to the College may be completed at any accredited junior college, college or university. In addition to the Bachelor of Science the College maintains a program of graduate teaching which enables students to earn advanced degrees in chemistry, pharmacy, pharmacognosy and institutional pharmacy administration. It is the goal of the College to maintain the highest standards in pharmaceutical education necessary to produce competent pharmacy practitioners.

In addition to its educational activities, the College of Pharmacy provides clinical and distributive services to patients seeking care at the University of Illinois Hospital. This service function is coupled with the educational programs of the College in order to provide maximum exposure to contemporary pharmacy practice. In-patient, out-patient and satellite pharmacies in community health centers are part of the network of pharmacy services in which the College is engaged.

CURRICULUM

During the four year course of study the student completes a core curriculum of basic subjects in his/her first two years followed by a concentrated study in an area of specialization in the final two years. In addition, the student selects courses in the social sciences and the humanities to satisfy the general education requirements of the University. Electives then complete the course of study.

During the second professional year the student is urged to explore the various options available in the prescribed areas of specialization. The intent of the specialization requirement is to provide the student with the choice of pursuing a specific practice related area of interest. Each of the available specialization areas are unique in their content. Thus, the student should exercise deliberate care in choosing a specialization.

Faculty advisors, administrators, departmental faculty and other College staff persons are available to assist the student in making a choice. When the specialization choice has been made, the student then develops a program plan for the subsequent years of professional studies which incorporates the completion of required core courses, required and elective specialization courses, general electives (if necessary) and the structured practice experience requirement. Courses listed in the catalogs and timetables of the University of Illinois at the Medical Center serve as professional electives. These courses should be chosen to support both the academic and professional interests of the student as these relate to the chosen area of specialization.

REQUIREMENTS FOR ENTRANCE

The College of Pharmacy Committee on Admissions is charged with the responsibility of admitting students to the program leading to a degree of Bachelor of Science in Pharmacy. The members of the Committee on Admissions are nominated by the faculty and upon recommendation of the Dean are appointed by the Chancellor of the Medical Center. Membership on the Committee include not less than four appointed members of the Medical Center campus and one member from either the Chicago Circle Campus or the Urbana-Champaign Campus who is familiar with pharmacy advising.

The Committee establishes requirements for admission to the College subject to approval by the College faculty, the Medical Center Senate, the University Committee on Admissions, and the Board of Trustees. The Committee, on the basis of established criteria, attempts to select students who have demonstrated academic achievement with a predictive index for success. Among other factors considered in the evaluation of qualities essential for the study of pharmacy are health, emotional stability, maturity, integrity, and motivation. The specific requirements follow:

1. Before applicants can be considered for matriculation, they must have completed at least 30 semester (45 quarter) hours of academic work in an accredited college, university, community college or junior college. The following must be included as minimum requirements:

	Semester Hours	Quarter Hours
General or Inorganic Chemistry including lab	8	12
General Biology, including lab	8	12
College Algebra	3	4.5
Plane Trigonometry	2	3
English Composition	4	6
General Electives	5	7.5
TOTAL	30	45

2. For consideration, applicants must present a minimum grade point average of 3.25 (3.0=C) on the University of Illinois grading system. All collegiate academic grades earned are used in computing this average.
3. Candidates must submit their scores for either ACT or SAT.
4. Candidates must submit their scores for the Pharmacy College Admission Test (PCAT).
5. Letters of recommendation from three people, two of whom must be from academia and none of whom are family members.
6. A statement describing the goals of the individual and the reasons for pursuing a career in pharmacy.
7. An interview may be requested by the committee, should such action be deemed advisable.
8. The Committee on Admissions may waive full compliance of the requirements for applicants possessing unusual qualifications.

The elective courses chosen to complete the required 30 semester (45 quarter) hours should not include courses offered in the College of Pharmacy, but those which will increase the social and cultural background of the student. If credit in courses required in the College of Pharmacy is offered to meet the minimum admission requirements, the student must elect an equivalent number of hours to meet graduation requirements. Prospective students are urged to develop their pre-pharmacy college program closely with the College of Pharmacy and academic advisors in the institution where pre-pharmacy course work is contemplated.

Selection Factors:
1. The applicant's academic record.
2. The applicant's ACT or SAT score.
3. The applicant's score for the PCAT.
4. Letters of recommendation.
5. A statement describing the goals of the individual as well as the reasons for pursuing a career in pharmacy.
6. A personal interview by invitation of the Committee, should such action be deemed advisable.

ADVANCED STANDING

Upon completion of the courses listed below and attending a summer session at the College of Pharmacy for the purpose of completing first professional year pharmacy courses, a student may apply for admission as a second professional year student:

	Semester Hours	Quarter Hours
Organic Chemistry, including lab	10	15
General Physics, including lab	8	12
Calculus, including integral	3	4.5
Introductory Anatomy, including lab	3	4.5
Electives	6	9
TOTAL	30	45

Credit may be awarded students who, upon entering the College, present work over and above the minumum number of hours required for admission providing such courses are judged equivalent to courses for which they are substituted or meet requirements toward graduation. Only grades of "C" (3.0) or better are considered for advanced standing.

FINANCIAL AID

A wide range and variety of scholarships, grants-in-aid, and loans are available to College of Pharmacy students from State, private and University sources. Persons interested in additional information should contact the Dean of Student Affairs, Room 203, Administrative Office Building, 1737 W. Polk Street, Chicago, Illinois, 60612.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 Freshman Class

Filing for formal application by applicant
  Earliest date: January 1, 1979
  Latest date: May 1, 1979
  Application Fee: $20
Notification of acceptance by school
  Earliest date: March, 1979
  Latest date: June, 1979
Class
  Starting date: September 17, 1979
  Ending date: June 7, 1980
  Estimated size of class: 215

1980-81 "Projected" Freshman Class

Filing for formal application by applicant
  Earliest date: January 1, 1980
  Latest date: May 1, 1980
  Application fee: $20
Notification of acceptance by school
  Earliest date: March, 1980
  Latest date: June, 1980
Class
  Starting date: Not finalized
  Ending date: Not finalized
  Estimated class size: 215

GENERAL COMMENTS ON 1979-80 AND 1980-81 FIRST YEAR CLASSES

Applicant response to acceptance offer
  Preferred time for response: immediate
  Deadline for response: within 14 days of notification

Deposit required and refund policy if applicant withdraws acceptance: $30; no refunds made

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS (Subject to change)

1979-80 Freshman Class

Tuition and Fees (Full-time Study)
  Resident: $322/quarter
  Non-resident: $712/quarter
Room and Board (minimum): $1,797/year
Books and Supplies: $250/year

1980-81 "Projected" Freshman Class

Tuition and Fees (Full-time Study)
  Resident: $322/quarter
  Non-resident: $712/quarter
Room and Board (minimum): $1,797/year
Books and Supplies: $250/year

INFORMATION ON 1978-79 FIRST YEAR CLASS

Number of Students-230   Instate-225   Out of State, U.S.-2   Foreign-3   Male-131   Female-99

BUTLER UNIVERSITY
COLLEGE OF PHARMACY
1-4; 2-3; Program Type

GENERAL INFORMATION

The College of Pharmacy of Butler University was established in 1945 by the merger of the Indianapolis College of Pharmacy with Butler University. The former institution was in operation for approximately forty years during which time it played a prominent role in the development of pharmaceutical education in Indiana.

The building which houses the College of Pharmacy is located on the campus. The laboratories, classrooms, and the research facilities are of modern design. The entire building with its extensive equipment is devoted exclusively to the education of the student in pharmacy.

Butler University is a co-educational, privately supported institution of higher learning founded in 1855. Its scenic 300 acre campus is located in a residential area approximately five miles from the heart of Indianapolis. Excellent cultural, recreational, and shopping facilities are readily available as are churches, public and parochial schools and museums. The Butler campus is also the home of the Indianapolis Symphony Orchestra.

CURRICULUM

The curriculum for the undergraduate degree in pharmacy recently has been revamped as part of a never-ending effort on the part of the college to provide the most modern pharmaceutical education possible. With a strong foundation in the basic sciences, the students are taught the preparation, compounding, and dispensing of drugs and medicines. In the laboratory they obtain experience in chemical, pharmacological, and instrumental methods of analysis. Courses in Clinical Therapeutics and Clinical Pharmacy are offered. The newest methods of accounting, marketing, and management designed for the operation of an efficient pharmacy also are taught. Structured externship, allowing the student to obtain professional experience in community and/or hospital pharmacy while earning time for state board qualification, is also offered.

A student may apply for admission to the Professional Pharmacy Program upon the completion of 32 credit hours.

Candidates for the B.S. degree in pharmacy shall present at least a 2.00 cumulative grade-point average in professional courses to earn their degrees.

REQUIREMENTS FOR ENTRANCE

Students are admitted to the University only upon written application to the Director of Admissions. Application for admission should be made at the earliest possible date, preferably upon completion of the sixth semester of high school. A $15.00 nonrefundable fee must accompany the application. The high school principal should send the completed record form, together with the class rank, grade-point average and test data to the Office of Admissions, Butler University, Indianapolis, Indiana 46208. Prospective pharmacy students should complete the college preparatory course in high school which should include at least two years of mathematics (3 or 4 are recommended), four years of English, and one year each of biology, chemistry, and physics. Additional units of biology, physics, chemistry, and mathematics are recommended. Applicants who have not had these prerequisites should consult the Dean of the College of Pharmacy at the first opportunity in order to remedy any deficiencies.

Transfer students may be credited with not more than two years of study for work done at other colleges and universities. The amount of credit transferred will depend upon the individual case. Usually, not less than six semesters of resident enrollment in the College of Pharmacy is required to complete the professional courses in their proper sequence. Students who begin their college work elsewhere may find it advantageous to transfer to Butler after one year instead of two, due to the limited availability of certain required courses.

A 2.5 grade-point average or higher in the prepharmacy courses is required to transfer to the Butler University College of Pharmacy.

The following recommendations have been made concerning the admission of transfer students:

1. The pharmacy class size shall be limited to 90 students at the third year level.
2. Preference shall be given to students enrolled in Butler's prepharmacy program.
3. A personal interview with the transfer students shall be required when deemed necessary.
4. A nonrefundable deposit of $250 shall be required of each accepted transfer student which is applied to the student's first semester tuition.

Foreign students working toward a second baccalaureate degree must comply with the following requirements:

1. If deemed necessary, they must appear for a personal interview with the College Standards Committee.
2. They must complete a placement examination in order to evaluate their level of proficiency.
3. They must follow a program of study specifically designed for the individual by the College Standards Committee, generally a minimum of 30 hours of course work in the pharmaceutical sciences, plus completion of all the University general education requirements. Most students tend to be placed at the third year level.

SELECTION FACTORS

1. In appraising the applicant's qualifications, emphasis is placed on the following: a) the quality of the high school scholastic record, b) the quality of the citizenship record in high school, c) the recommendations of school officials, d) scores on aptitude and achievements tests. Entering students with freshman status must present the results of the Scholastic Aptitude Test of the College Entrance Examination Board or similar scores. The College also requires that transfer students submit their scores on the Pharmacy College Admission Test (PCAT).
2. Butler University relies heavily upon its own experience in evaluating candidates for admission. Absolute cutting points on either rank in class or scores on the Scholastic Aptitute Test are not used.

Experience demonstrates that a weighing of a number of factors is a more reliable means of predicting successful achievement in the pharmacy program. Therefore, Butler has prepared a predictive index for determining a student's probability of admission to Butler. The index combines 1% of SAT verbal, .5% of SAT math and a factor ranging from 7.5 to 1.5 for rank in class by decile. However, the applicant should be warned against regarding a favorable score on the index as constituting certain admission. The University considers the TOTAL record, including recommendations, in evaluating the candidate's suitability for acceptance.

ADVANCED PLACEMENT TESTS

Butler offers advanced placement, with appropriate academic credit, in all subjects covered by either of two College Entrance Examination Board programs: the Advanced Placement examinations and the College Level Examination Program tests. Scores required for credit have been established by the appropriate department heads.

FINANCIAL AID

Scholarships--Several types of scholarships are available for students who are in need of financial assistance in paying tuition. Scholarships are limited to students capable and desirous of doing high quality scholastic work. Applications for general tuition scholarships should be submitted to the Financial Aid Office, Dean of Student Services. Information on pharmacy scholarships may be obtained from the Dean of the College of Pharmacy.

Student Loans--Several types of loan funds are available to students in the University who are in need of financial assistance in paying tuition. In most cases the repayment of the loan may be deferred until after the student graduates. Specific information regarding loan funds may be obtained from the Financial Aid Office.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 Freshman Class

Filing for formal application by applicant.
    Earliest date: no specified date
    Latest date: no specified date
    Application fee: $15.00
Notification of acceptance by school.
    Earliest date: no specified date
    Latest date: no specified date
Class
    Starting date: Aug. 28, 1979
    Ending date: May 10, 1980
    Estimated size of class: 90

1980-81 "Projected" Freshman Class

Filing for formal application by applicant.
    Earliest date: no specified date
    Latest date: no specified date
    Application fee: $15.00
Notification of acceptance by school.
    Earliest date: no specified date
    Latest date: no specified date
Class
    Starting date: Aug. 26, 1980
    Ending date: May 16, 1981
    Estimated size of class: 90

GENERAL COMMENTS ON 1979-80 AND 1980-81 FIRST YEAR CLASSES

Applicant response to acceptance offer.
    Preferred time for response: 3 weeks
    Deadline for response: 3 weeks
Deposit required and refund policy if applicant withdraws acceptance:
    All newly admitted freshmen students will be asked to make a nonrefundable advance tuition deposit of $100.00 within 21 days after the date on their certificate of admission. The $100.00 deposit will be applied on the first semester's tuition.

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

1979-80 Freshman Class

Tuition and Fees
    Resident: $2720
    Non-resident: $2720
Room and Board (minimum): $1350
Books and Supplies: $225
Lab Fees: $80
Other Required Expenses: $10

1980-81 "Projected" Freshman Class

Tuition and Fees
    Resident: $2720
    Non-resident: $2720
Room and Board (minimum): $1350
Books and Supplies: $225
Lab Fees: $80
Other Required Expenses: $10

ESTIMATED INFORMATION ON 1978-79 FIRST YEAR CLASS

Number of Students	Instate	Out-of-State, U.S.	Foreign	Male	Female	Total
	70	26	0	52	44	96

PURDUE UNIVERSITY
SCHOOL OF PHARMACY AND PHARMACAL SCIENCES
1-4 Program Type

GENERAL INFORMATION

The School of Pharmacy and Pharmacal Sciences of Purdue University, a state-operated institution of higher learning, was established in 1884 in response to a demand for a theoretical education and practical training in pharmacy and related subjects. For almost 100 years this school has served the people of Indiana, standing always in the front ranks of the schools preparing young men and women for the profession.

More than 4,300 students have been graduated from the School and are pursuing the professions of pharmacy, teaching, and science. Among its graduates are numbered many of the prominent pharmacists and pharmacal scientists of the state and of the nation.

In the extension of its instruction and facilities the School has advanced with the other schools of the University and with pharmaceutical development. It offers excellent opportunities to those who wish to prepare for career opportunities in pharmacy practice (e.g. community pharmacy, hospital, extended care facility), in research, or in education. An extension of the offerings of the School of Pharmacy and Pharmacal Sciences has been the addition of a four-year undergraduate curriculum leading to the B.S. degree in environmental health. This program is aimed directly at the growing menace of environmental pollution and will train personnel to work in this area. The environmental health option is an eight-semester course and leads to a B.S. degree in environmental health. The professional course is ten semesters leading to the degree of Bachelor of Science in Pharmacy.

A post-baccalaureate professional program leading to the Doctor of Pharmacy degree is offered in the School of Pharmacy and Pharmacal Sciences. Majors and minors for the degrees of Master of Science and Doctor of Philosophy are offered in the School of Pharmacy and Pharmacal Sciences, under the direction of the Graduate School of the University.

CURRICULUM

The undergraduate program in pharmacy leading to the degree of Bachelor of Science in Pharmacy is designed to conform to the following statement of philosophy and objectives adopted by the pharmacy faculty:

The principal objectives of pharmaceutical education should be to prepare pharmacists to dispense prescribed medication and to advise the patient in an ethical manner on the proper use of all medications, both prescribed and patient-selected. In addition, pharmacists should be capable of acting as advisers to members of the medical and other health professions on all matters pertaining to drugs and their dosage forms. The curriculum must provide a general education which will prepare the graduate to assume intelligently the responsibilities of citizenship in the civic and political life of his community, and to partake in and contribute to the culture of his time. The scientific core of the pharmaceutical curriculum should provide the pharmacist with a background in the physical and biological sciences in sufficient depth so that he/she is able to function effectively and responsibly in a professional role. In addition, it should qualify the student to undertake a graduate program in one of the pharmacal fields, or related basic sciences, in the event that he/she elects to contribute creatively to the profession in the areas of research, education, industry, or government. The clinical education consists of course work, clerkship and externship components intended to apply elements from the general and scientific educational components to the provision of drug distribution and drug information services to patients and other health professionals.

Address inquiries to: Director of Admissions
Purdue University
West Lafayette, Indiana
47907

The first letter of inquiry should include: 1. the amount of school training completed; 2. plans for future education; 3. approximate date of entrance to Purdue.

REQUIREMENTS FOR ENTRANCE

The application for admission must be made on the official form provided by the University. Qualified applicants entering directly from high school are encouraged to file their applications for admission as soon as possible after completing six semesters of high school work. Indiana residents must file their applications prior to July 15. Applicants from out-of-state must file prior to May 15 although admission for out-of-state students may be closed prior to posted deadlines if the out-of-state quota has been filled.

A minimum of 15 units of high school work is required for admission. Indiana applicants must rank in the upper half of their graduating class while out-of-state applicants must rank in the top quarter. The following units of work are recommended:
English 3-4; History or Social Studies 1-2; Algebra 1-1/2; Plane Geometry 1; Trigonometry 1/2; Laboratory Science 3; Additional subjects 5.

All high school students should complete one year each of biology, chemistry and physics. Applicants presently registered in another college should apply not later than January 2 for admission for the August semester. No admissions are made for the January semester.

SELECTION FACTORS

Students who expect to apply for admission to the School of Pharmacy and Pharmacal Sciences must complete 32 semester credits of appropriate prepharmacy subjects in an accredited college.

Students who have completed the prepharmacy year at Purdue or elsewhere cannot be assured of admission to the professional program. When the number of qualified applicants exceeds the available facilities, preference will be given to residents of Indiana. Students are admitted to the professional program of study in the School of Pharmacy and Pharmacal Sciences only at the beginning of the fall semester of each academic year.

The School of Pharmacy and Pharmacal Sciences, a professional school, reserves the right to select students qualified to enter the profession. It is imperative that applicants have a liking and an aptitude for biology and chemistry. The Committee on Selection will take into consideration evidence of the applicant's character, intelligence, fitness to study pharmacy, and letters of recommendation.

In practice, applicants are first screened on the basis of intellectual qualifications as ascertained from their previous academic record. The Pharmacy College Admission Test (PCAT) is required of all applicants. In addition, a personal interview is required of all applicants given final consideration for admission.

ADVANCED PLACEMENT TESTS

On the basis of the CEEB advanced placement examination results, Purdue departmental examination results, and the high school record, freshmen may receive advanced credits and/or advanced placement.

FINANCIAL AID

Purdue University maintains a complete program of financial assistance for new and continuing students. Most types of aid are based on financial need and academic ability. Qualified students may obtain assistance in the form of scholarship, grant, long-term loan, part-time employment, or some combination of these aids.

Scholarship, grant, and loan funds are provided by alumni and friends of the University, the state and federal government, business and industry, and the University itself. Most aids are available without regard to the student's course of study, but some scholarship and loan funds are specifically designed for those applicants in a particular curriculm. A number of scholarships have been established especially for students in pharmacy. Awards are made on the basis of superior scholastic ability and need, and are handled by the Division of Financial Aid of the University.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 First Professional Year Course
(2nd Year of 5-Year Curriculum)

Filing of formal application by applicant
  Earliest date: October 2, 1978
  Latest date: January 2, 1979
  Application fee: None
Notification of acceptance by school
  Earliest date: March 12, 1979
  Latest date: June 30, 1979
Class
  Starting date: August 30, 1979
  Ending date: May 10, 1980
  Estimated size of class: 170

1980-81 Projected First Professional Year Course
(2nd Year of 5-Year Curriculum)

Filing of formal application by applicant
  Earliest date: October 1, 1979
  Latest date: January 2, 1980
  Application fee: None
Notification of acceptance by school
  Earliest date: March 10, 1980
  Latest date: June 30, 1980
Class
  Starting date: August 28, 1980
  Ending date: May 9, 1981
  Estimated size of class: 170

GENERAL COMMENTS ON 1979-80 and 1980-81 CLASSES

Applicant response to acceptance offer
  Preferred time for response: 3 weeks
  Maximum time: July 15, 1979; July 15, 1980
  Deposit fee to hold place in class (applies on tuition): $50.00 due by April 20 if admitted on or before March 31; those admitted after March 31 must submit deposit within 21 days after the date of the offer of admission.
  Deadline for cancellation of acceptance: prior to July 1 a refund of $15.00 will be made; after July 1 no refund

EXPENSES PER YEAR FOR 1979-80 FIRST YEAR CLASS AND "PROJECTED" 1980-81

Tuition and Fees per year (1979-80) (Estimated)
  Resident: $950
  Non-resident: $2300

Estimated expenses per year (1979-80)
  Room and Board (minimum): $1722
  Books and Supplies: $210
  Miscellaneous Personal Expenses:
    Resident: $560
    Non-resident: $660

Tuition and Fees per year (1980-81) (Estimated)
  Resident: $1050
  Non-resident: $2535

Estimated expenses per year (1980-81)
  Room and Board (minimum): $1842
  Books and Supplies: $235
  Miscellaneous Personal Expenses:
    Resident: $600
    Non-resident: $725

ESTIMATED INFORMATION ON 1978-79 FIRST YEAR CLASS

Number of Students	Instate	Out-of-State, U.S.	Foreign	Male	Female	Total
171	145	26	0	87	84	171

DRAKE UNIVERSITY
COLLEGE OF PHARMACY
0-5 Program

GENERAL INFORMATION

Drake University is a private and independent major university located on a campus in an urban setting. Enrollment is selective and size is limited.

Approximately 5000 students are enrolled in the eight colleges and schools of the university. The college of pharmacy enrolls about 450 students in its five year program. Other colleges and schools at Drake include Liberal Arts, Fine Arts, Education, Business Administration, Journalism, Law and Graduate Studies.

The first college of pharmacy in Des Moines was the Iowa College of Pharmacy. It was organized in 1882. The college affiliated with Drake University in 1887 and operated as one of the colleges of the university until 1906 when it was discontinued.

The present college of pharmacy at Drake traces its origin to the Highland Park College of Pharmacy which was organized in 1889. Highland Park College, in 1918, changed its name to Des Moines University--the college of pharmacy continuing as an integral part of the university. The faculty of the college of pharmacy of Des Moines University, in 1927, organized an independent college of pharmacy known as the Des Moines College of Pharmacy. The Des Moines College of Pharmacy operated as an independent institution from 1927 until 1939 when the Des Moines College of Pharmacy corporation was dissolved, and the college staff and facilities became a part of Drake University.

The college is housed in Fitch Hall, a modern classroom and laboratory building which was designed by world famous architects Eliel and Ero Saarinen and dedicated in 1949. It is connected by an overpass to the basic science building at Drake, the Harvey Ingham Hall of Science, which was built at the same time as Fitch Hall and designed by the same architects.

CURRICULUM

The college offers the degree Bachelor of Science in Pharmacy for the completion of the five year program. It is the aim of the college to provide an educational program in both theoretical and applied pharmacy which will allow graduates to enter any of the fields embodied in modern pharmacy. It is also the aim of the college to provide, through the utilization of well established courses, a balance of professional, economic, and social education which will enable pharmacists to discharge their full responsibilities as citizens in the communities they serve.

Admission to the college of pharmacy is effected through the University Admissions office. The office is located in Room 202 Old Main. Telephone
1-800-362-2416 Toll free from any place in Iowa
1-800-247-2135 Toll free from Illinois, Minnesota, Missouri, Nebraska, South Dakota and Wisconsin
1-515-271-3181 From other states (except Hawaii and Alaska) Call collect.
Admission counselors are available in the office of admissions for personal conferences. Admissions Counselors are also available in the major cities in the midwest as well as New York and Los Angeles.

Prospective students are also urged to visit the campus for a conference with the dean of pharmacy.
Address inquiries to: Dr. Everett E. Hadley
Executive Director of Admission
Drake University
Des Moines, Iowa 50311

REQUIREMENTS FOR ENTRANCE

1. Students still in high school are urged to apply after the beginning of their senior year. Drake is a private institution and therefore residence in the state is not a requirement for admission.
2. Transfer students are accepted into the second and third year of the five year professional program provided they meet admission requirements and have had the proper prerequisite courses.

Most candidates for admission to the college of pharmacy will complete 15 or more units of high school subjects including the following:

English	3 to 4 units
Social Studies	2 to 3 units
Science (biology, chemistry, physics)	3 to 4 units
Mathematics	3 to 4 units

SELECTION FACTORS

Admission to Drake University is competitive and takes into consideration the full record of the candidate for admission. The following criteria are of great importance in appraising the qualifications of the candidate for admission:
1. The pharmacy college admission test (PCAT) is recommended.
2. Recommendation from high school counselor.
3. A scholastic record in high school which gives evidence of the capacity to do college work of good quality. The candidate for admission should rank in the upper half of the high school class.
4. Satisfactory scores are required for either the American College Test (ACT) or the Scholastic Aptitude Test (SAT).
Admission for transfer students is based on satisfactory work in another college as well as standardized tests (ACT or SAT) which indicate the candidate can be successful in the pharmacy program at Drake. The average ACT score for pharmacy freshmen at Drake is 25.

DRAKE UNIVERSITY
COLLEGE OF PHARMACY

ADVANCED PLACEMENT TESTS

Drake University participates in the Advanced Placement program sponsored by the College Entrance Examination Board. Under this program a high school student may take comprehensive examinations in a variety of subjects including English, Mathematics, History and Foreign Languages.

COLLEGE LEVEL EXAMINATION PROGRAM

Drake University also participates in the College-Level Examination Program (CLEP). CLEP subject examinations may be taken monthly at Drake University or at any one of the 65 National Centers.
For registration forms and for information write:

Office of Counseling and Testing
Drake University
Des Moines, Iowa 50311
or
College Level Examination Program
Box 1821
Princeton, New Jersey 08540

FINANCIAL AID

The university makes every effort to assist needy students with financial aid. The college of pharmacy participates in the Health Profession Loan and Grant Program, as well as many other financial aid programs. The Parents Confidential Statement of the College Scholarship Service is a required supplement to the personal application for financial aid from all students.

Applications for financial aid should be returned to the:

Director of Financial Aids
Drake University
Des Moines, Iowa 50311

not later than March 1 of any year in which aid is requested.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 First Year Class

Filing of formal application by applicant
Earliest date: September 15, 1978
Latest date: August 1, 1979
Application fee: $20.00
Notification of acceptance by school
Earliest date: October 15, 1978
Latest date: August 15, 1979
Other information on 1977-78 1st year class
Starting date: August 28, 1979
Ending date: May 16, 1980
Estimated class size: 85
Information on 1979-80 transfer students into 2nd and 3rd years.
Estimated # of transfers accepted: 30

1980-81 "Projected" First Year Class

Filing of formal application by applicant
Earliest date: September 15, 1979
Latest date: August 1, 1980
Application fee: $20.00
Notification of acceptance by school
Earliest date: October 15, 1979
Latest date: August 15, 1980
Other information on 1978-79 1st year class
Starting date: August 26, 1980
Ending date: May 15, 1981
Estimated class size 85
Information on 1980-81 transfer students into 2nd and 3rd years.
Estimated # of transfers accepted: 30

GENERAL COMMENTS ON 1979-80 and 1980-81 FIRST YEAR CLASSES

Applicant response to acceptance offer:
Preferred time for response: 2 weeks
Maximum time: August 1, 1979; August 1, 1980
Deposit fee to hold dorm space: $100 (applies on room and board)
Refundable before April 1st if student cancels acceptance. If the student is not accepted the fee is refunded with the rejection letter.

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

Tuition per year	(1979-80)	$3600	Tuition per year	(1980-81)	$3800
Board and Room	(1979-80)	1800	Board and Room	(1980-81)	1900
Books and Supplies	(1979-80)	150	Books and Supplies	(1980-81)	150

ESTIMATED INFORMATION OF 1977-78 FIRST YEAR CLASS

Number of Students	Instate	Out-of-State, U.S.	Foreign	Male	Female	Total
84	26	55	3	34	50	84

THE UNIVERSITY OF IOWA
COLLEGE OF PHARMACY
Program Type 1-4 and 2-3

GENERAL INFORMATION

The College of Pharmacy is housed in a modern building especially designed for it in the Health Sciences sector of the University campus. The Health Sciences area comprises the teaching, research, and patient care facilities of the Colleges of Medicine, Nursing, Dentistry and Pharmacy. The pharmacy building provides the most advanced facilities necessary for a comprehensive program of pharmacy education. In addition the College has an industrial pharmacy laboratory which serves as a teaching unit as well as a service division of the College. Here undergraduate and graduate students have the opportunity to learn methods of large-scale pharmaceutical product development. Pharmacy students have an unusual opportunity for clinical pharmacy at Iowa through a cooperative relationship between the Colleges of Pharmacy and Medicine as well as University Hospitals, Veterans Administration Hospital, the Oakdale, Mechanicsville, Williamsburg Family Practice Clinics, Cedar Rapids Mercy Hospital, Iowa City Mercy Hospital, selected community pharmacies and nursing homes, the Iowa Drug Information Service and the College of Pharmacy's Department of Pharmaceutical Services. Senior students have organized clerkship rotations in the above units and thus the chance to experience first hand the role of pharmacy in the total health care system.

The comprehensive nature of the pharmacy curriculum prepares the graduate to practice in a variety of settings. These include community and hospital practice, industrial pharmacy, pharmacy research in the Public Health Service, Food and Drug Administration and in the Justice Department. With the Colleges of Medicine, Nursing and Dentistry, the College of Pharmacy is an integral part of the University Health Center. The Colleges of Liberal Arts, Business Administration, Law and Medicine contribute to the education of pharmacy students by providing instruction in the physical sciences, basic medical sciences, business, law and humanities.

CURRICULUM

College of Pharmacy students studying for the Bachelor of Science degree receive professional training and education in a variety of areas, such as pharmacy technology, professional practice, pharmaceutical socioeconomics, biopharmaceutics, medicinal chemistry and natural products and clinical pharmacy. In addition, the curriculum includes such basic health science courses as microbiology, biochemistry, anatomy, physiology, pathology and pharmacology. The Bachelor of Science program in pharmacy consists of one year of preprofessional study, taken either in The University of Iowa College of Liberal Arts or at another college or university, and four years in the College of Pharmacy.

It is possible to transfer into the College of Pharmacy after two years of college-level work at an approved institution. A student entering the College after two years of preprofessional study can complete the professional program in three years, if the preprofessional study includes--in addition to the basic preprofessional requirements--one year of organic chemistry, one year of biology or zoology, one semester of economics and one semester of quantitative analysis. The professional curriculum includes a minimum requirement of eighteen semester hours of electives. Through his or her judicious choice of electives the student may focus on such special areas as hospital pharmacy, clinical pharmacy, industrial pharmacy or pregraduate study.

REQUIREMENTS FOR ENTRANCE

The college work outlined below meets the minimum academic requirements for admission to the College of Pharmacy.

Rhetoric: eight semester hours or equivalent transfer credit. Applicants from approved colleges may satisfy the requirement by presenting six hours of credit in English composition and rhetoric and two in speech, or by presenting eight hours of credit earned in a one-year rhetoric course.

General chemistry and qualitative analysis: eight semester hours.

Mathematics: three semester hours equivalent to analytical geometry or a higher math course.

Physics: a complete one or two semester course in basic physics. Although physics is recommended, a suitable biology or zoology course can be taken instead. Physics will then be taken in the first professional year.

Economics is suggested.

To be considered for admission to the College of Pharmacy, the applicant must have earned at least a 2.0 (A=4) cumulative grade point average on all college course work attempted. Students who plan to transfer to the College of Pharmacy after two years should consult the Dean of the College concerning course requirements.

Address inquiries to: Office of the Dean
College of Pharmacy
University of Iowa
Iowa City, Iowa 52242

SELECTION FACTORS

The Pharmacy College Admission Test (PCAT) is not required at this time. Factors considered for admission include grade point average, ACT or SAT score, grades earned in science courses. Preference is given to Iowa residents.

ADVANCED PLACEMENT TESTS

A student may earn up to 10 semester hours of elective credit by examination. Selected tests from the College-Level Examination Program (CLEP) are used. A student must be enrolled for at least 6 semesters in the College of Pharmacy to be eligible for graduation.

FINANCIAL AID

Government loans administered through the Health Professions Loan Program are available to students in the professional curriculum in pharmacy. Aid is also available through pharmacy scholarships which apply toward resident tuition and fees and are awarded on the basis of worthiness, need and scholastic achievement. Information about these scholarships may be obtained from the Office of the Dean, College of Pharmacy, 118 Pharmacy Building, Iowa City, Iowa 52242. For information about financial aid and employment opportunities available to Iowa students in general, write to Student Financial Aids, the University of Iowa, Iowa City, Iowa, 52242. Application deadlines are February 1 for entering freshmen and April 1 for upper class and transfer students.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 Freshman Class

Filing for formal application by applicant.
  Latest date: March 1, 1979
Notification of acceptance by school.
  Earliest date: Varies
  Latest date: Varies
Class
  Starting date: August 30, 1979
  Ending date: May 16, 1980
  Estimated size of class: 135

1980-81 "Projected" Freshman Class

Filing for formal application by applicant.
  Latest date: March 1, 1980
  Application Fee: $10.00
Notification of acceptance by school.
  Earliest date: Varies
  Latest date: Varies
Class
  Starting date: August 28, 1980
  Ending date: May 15, 1981
  Estimated size of class: 135

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

1979-80 Freshman Class

Tuition and Fees
  Resident: $750.00
  Non-resident: $1,710.00
Room and Board (minimum): $1,450.00
Books and Supplies: $180.00

1980-81 "Projected" Freshman Class

Tuition and Fees
  Resident: $750.00
  Non-resident: $1,710.00
Room and Board (minimum): $1,450.00
Books and Supplies: $190.00

ESTIMATED INFORMATION ON 1978-79 FIRST YEAR CLASS

Number of Students	Instate	Out-of-State, U.S.	Foreign	Male	Female	Total
135	103	30	2	83	52	135

UNIVERSITY OF KANSAS
SCHOOL OF PHARMACY

PROGRAM TYPE

2-3

GENERAL INFORMATION

The School of Pharmacy was established as part of the University in 1885, making it the third state university school of pharmacy in the United States. It is the only school of pharmacy in Kansas. The School, as a member of the American Association of Colleges of Pharmacy, is required to maintain requirements for entrance and graduation. This assures graduates recognition of their college training wherever they may decide to practice. The school is accredited by the American Council on Pharmaceutical Education.

CURRICULUM

For a Bachelor of Science degree in pharmacy, a student must complete the following course sequence: 9 hours of course work in each of the three areas of basic pharmaceutical science (pharmaceutical chemistry, pharmacology and toxicology, and medicinal chemistry) for a total of 27 hours, plus 16 hours of pharmacy electives, 4 hours of which are to be taken in each of the three basic areas, for a total of 43 hours of basic pharmaceutical sciences. In addition, the degree requires 33 hours within the Department of Pharmacy Practice, including the 8-hour courses in Clinical Pharmacy Externship and Pharmacy Practice Externship.

The Clinical Pharmacy Externship involves didactic seminar and clinical instruction in patient drug therapy using facilities of the University of Kansas teaching hospital and clinics. The Pharmacy Practice Externship involves community or institutional practice, utilizing field instructors throughout the state, to acquaint the student with various pharmaceutical services and techniques involved in prescription dispensing, patient counseling and communication with other health professionals.

In addition to the above listed courses, the student must complete sufficient hours of elective courses for a total of 163 hours in 10 semesters. Under the pharmacy practice program, the student will have satisfied a total of 1,500 hours of internship required by the Kansas State Board of Pharmacy for licensing.

The goal of the School of Pharmacy is to produce pharmacists who are qualified to accept the responsibilities required of members of the health care team. The School particularly strives to give the student an education in the natural sciences, as well as the arts, humanities, and social sciences. In this manner the student is provided with a well rounded education befitting that of a professional man or woman as well as becoming a trained pharmacist, one who has mastered the basic biological and physical sciences.

REQUIREMENTS FOR ENTRANCE

An individual may complete the first two years of college study in the liberal arts and sciences program at any accredited college or university as long as he follows the pre-pharmacy curriculum.

The pre-pharmacy program requires the minimum completion of 60 semester hours with at least a 2.00 grade point average overall and in science and math courses which must include the following:

English - 6 hours
Humanities or Social Studies - 9 hours (3 courses)
Mathematics - 3 hours in calculus
Physics - 3 hours*(exception)
Biological Sciences - 8 hours
General Chemistry - 10 hours with laboratory
Organic Chemistry - 10 hours with laboratory
Human Anatomy and Physiology/or Biochemistry-
   5 hours with laboratory
Microbiology - 5 hours with laboratory

*The student may be exempted from the course in physics if he or she has completed college algebra and trigonometry in high school or in the freshman year in college.

No credit toward graduation will be given in survey courses in such areas as education, engineering, journalism (except advertising) or activity courses in the fine arts, speech, drama, and physical education. Courses unaccepted for graduation cannot be counted for resident credit or grade point averages.

The pre-pharmacy program was designed for two purposes: (1) to fulfill the requirements for entry into the School of Pharmacy, and (2) to insure that a student may change to another major without jeopardizing his or her progress.

SELECTION FACTORS

Application to the school is normally made when a student has completed at least 45 credit hours in the pre-pharmacy curriculum.

Physical facilities available at the School of Pharmacy necessitate a limiting of enrollment to approximately 86 first-year professional students.

All applications should be submitted as soon as the fall semester grades are available and no later than May 1 of the second year in the pre-pharmacy program. In addition, all applicants should submit a list of all courses in which they are enrolled up to the time of their entrance into the School of Pharmacy.

It will generally not be possible to admit all qualified applicants, and preference will be given to qualified Kansas residents. Applications from superior students may be approved upon receipt; thereafter groups of highly qualified students will be admitted on March 1 and May 1. All applications from persons who are not Kansas residents will be held until June 1. Action on all applicants will be completed by June 1.

All acceptances will be tentative pending satisfactory completion of current enrollments. Spring semester grades must be sent to the School of Pharmacy as soon as they are available. The Pharmacy College Admissions Tests (PCAT) is currently required.

ADVANCED PLACEMENT TESTS

A student spends six semesters in residency in the School of Pharmacy for the degree. The six-semester residency rule can be waived by permission of the faculty. The student must notify the faculty through the Professional Policy Committee by the completion of two semesters residency in the School of Pharmacy in order to qualify for the waiver of residency.

FINANCIAL AID

A number of scholarships are awarded annually to deserving and capable students. In addition, there are adequate loan funds from which students may borrow either on a short-term or long-term basis. Students interested in securing loan funds or awards may contact the University Office of Student Financial Aid, 26 Strong Hall, The University of Kansas, Lawrence, Kansas 66045.

The School of Pharmacy also administers a number of scholarships. These scholarships are ordinarily awarded to students who have been in the School of Pharmacy for at least one semester, and more often to students who have been in the school for one year. Application for scholarships administered by the school are accepted in the school office during the first two weeks of classes each fall.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 Freshman Class

Filing for formal application by applicant.
  Earliest date: Upon receipt of Fall '78 grades.
  Latest date: May 1, 1979
Notification of acceptance by school.
  Earliest date: March 1, 1979
  Latest date: June 1, 1979
Class
  Starting date: August 27, 1979
  Ending date: May 16, 1980
  Estimated size of class: 86

1980-81 "Projected" Freshman Class

Filing for formal application by applicant.
  Earliest date: Upon receipt of Fall '79 grades.
  Latest date: May 1, 1980
Notification of acceptance by school.
  Earliest date: March 1, 1980
  Latest date: June 1, 1980
Class
  Starting date: August 25, 1980
  Ending date: May 15, 1981
  Estimated size of class: 86

GENERAL COMMENTS ON 1979-80 AND 1980-81 FIRST YEAR CLASSES

Applicant response to acceptance offer.
  Preferred time for response: 2-3 weeks
  Deadline for response: As stated in letter of acceptance.

Deposit required and refund policy if applicant withdraws acceptance: A $50 deposit will be required upon notification of acceptance. This deposit will be applied toward the student's fees upon enrollment in the University. If a student decides not to attend the School of Pharmacy, University of Kansas, a refund may be obtained if the student notifies the School of Pharmacy prior to August 1 of the current academic year.

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

1979-80 Freshman Class

Tuition and Fees
  Resident: $710.20*
  Non-resident: $1,700.20*
Room and Board (minimum): $1,305
Books and Supplies: $200
Lab Rees: $0
Other Required Expenses: $8.50 (Liability Insurance)

1980-81 "Projected" Freshman Class

Tuition and Fees
  Resident: $710.20*
  Non-resident: $1,373.80*
Room and Board (minimum): $1,305
Books and Supplies: $200
Lab Fees: $0
Other Required Expenses: $8.50 (Liability Insurance)

*These fees are as of 1978-79, all fees are subject to change by the Board of Regents at any time.

ESTIMATED INFORMATION ON 1978-79 FIRST YEAR CLASS

Number of Students	Instate	Out-of-State, U.S.	Foreign	Male	Female	Total
	78	7	1	51	35	86

UNIVERSITY OF KENTUCKY COLLEGE OF PHARMACY

PROGRAM TYPE - 2-3

GENERAL INFORMATION - Many colleges of pharmacy in the early days originated as associations, much later becoming vehicles of instruction. Others were proprietary schools, owned by individuals or groups and operated as profit-making organizations. The unique feature of this College is that, while it had its origin in the preceptorial system prevailing at that time, it began as an academic entity designed for the instruction of pharmacists.

It was organized in 1870 and was incorporated by act of the Legislature, February 6, 1873. A non-profit operation, it was essentially a state school but without state support. It opened in Louisville in 1871 and for the first two years offered only night classes. The College was instrumental in the creation of laws regulating the practice of pharmacy through the Pharmacy act of 1874, and in 1877 assisted in establishment of a voluntary organization known as the Kentucky Pharmaceutical Association. Four of the seven members of the first Board of Pharmacy were among the founders of the College. With the increase in scientific discovery, The College initiated a three-year program in 1925, a four-year program in 1932, and a five-year program in 1958. On July 1, 1947, the College became one of the divisions of the University of Kentucky, and moved into its new building on the UK campus in the fall of 1957. On January 1, 1966, the College became a part, administratively, of the Albert B. Chandler Medical Center. The College of Pharmacy had a faculty of 15 when it first entered into the University system. It now has a faculty and staff of 115, which indicates the growth and development during these years. The College was admitted to membership in the American Association of Colleges of Pharmacy in 1901 and is accredited by the American Council on Pharmaceutical Education.

CURRICULUM - The dynamic changes affecting pharmacy demand a curriculum that will insure effective practitioners who have a thorough understanding of drugs and disease and who can communicate effectively with other health practitioners and with patients now, and in the future, as they assume new and expanding roles in health care. The curriculum at Kentucky includes a component that promotes interaction between the pharmacist and other health professionals. This component assures that pharmacy students see patients in the diseased state, witness the action of drugs, and learn to work closely with physicians, dentists, nurses, and other health care professionals. This training will help them serve more effectively as advisors on drug selection and use wherever they practice their profession, e.g., community, hospital, industry, research, education,etc.--it is apparent that only a very flexible academic program can meet the educational needs of all pharmacists at the B.S. level. The College of Pharmacy has established a realistic core curriculum required of all pharmacy students. The objectives of this core curriculum are:

1. To produce an educated individual; a person able to participate effectively in community affairs. This may be partially accomplished by providing the opportunity for students to elect courses in social sciences and humanities;
2. to prepare all students for the responsibilities of licensure as a pharmacist through education in certain basic and clinical sciences; and
3. to allow students considerable flexibility to select additional course work that supplements the core program. This will give each student a measure of freedom to fulfill his own wishes regarding professional, scientific, and education goals.

REQUIREMENTS FOR ENTRANCE - All admissions to the College of Pharmacy are made through the office of the University Registrar. New students, readmission students and transfer students must file applications and transcripts of all previous college work with that office. In addition to meeting the general requirements for admission to the University, the applicant must have completed at least 66 semester hours of courses including the prescribed prepharmacy courses at a high level of accomplishment. This preparatory work may be taken at the University of Kentucky or at other accredited institutions presenting strong courses in the required prepharmacy curriculum, and each student must furnish an additional transcript of all previous college work to the College. Students planning to complete their prepharmacy work at the University of Kentucky will be required to submit ACT scores to be considered for admission. High school transcripts are not required. It is recommended that applications to the College for fall admission must be submitted as soon after completion of the previous fall semester or quarter as possible. Although all applications must be received by February 1, it is not essential that final grades for courses taken during the spring term accompany the application. However, in order that final evaluation may proceed so selections can be made for the entering class, these grades should follow the application at the earliest date possible following completion of the spring term.

Course Requirements for admission to the College are:

1 year English Composition
1 year Biology (with laboratory)
1 semester Microbiology (with laboratory)
1 semester Mathematics (Analytics & Calculus I)
1 semester Principles of Economics
1 year Physics (with laboratory)
1 year General Chemistry (with laboratory)
1 year Organic Chemistry (with laboratory)

Additional courses: Sufficient elective courses need to be selected such that a minimum of 66 hours are presented. The electives must have been selected from the courses necessary to fill the University's General Studies Component required for graduation. The prepharmacy courses above fill 3 1/2 of the required component areas (9 credit hours). A more definitive discussion of this requirement is available from the College.

SELECTION FACTORS - The Pharmacy College Admission Test is required for consideration for admission along with a high level of academic accomplishment as demonstrated by the grade point average in the pharmacy prerequisite courses listed on the preceding page. Characteristics such as motivation letter in which are stated reasons for selecting pharmacy as a profession and tentative ultimate goals in the profession. Further information of this nature is gleaned from recommendations from instructors, past employers, pharmacists and from the personal interviews required of selected applicants. The highest priority for admission is given to residents of Kentucky and only non-residents who have excelled in the prepharmacy program on the Lexington campus are considered. All prepharmacy courses must be completed by the end of the spring semester or quarter preceding the fall for which they are applying for admission.

ADVANCED PLACEMENT TESTS - The University will accept credits earned by College Level Examination Program (CLEP) only when the specific subject tests are taken. The general CLEP test is not acceptable. Students usually need six semesters in the College of Pharmacy to complete their B.S. in Pharmacy degree.

FINANCIAL AID - Some financial aid is available to pharmacy students through scholarships, grants-in-aid, awards and loans. The University will make every effort to obtain aid for students in financial stress. Some of this is administered by the College but initial inquires should be made to the University's Financial Aid Off.

ADDITIONAL INFORMATION - Tuition and Fees - The applicant is advised to write the College's Admission Office for possible changes in fees and/or the University Housing Office for a schedule of housing cost; several plans are available.
An optional Health Fee ($12/semester; subject to change) is paid at registration time and covers most of the services provided through the Student Health Service. Health services are available to other students not paying the Health Fee on a fee-for-service basis.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 Freshman Class

Filing for formal application by applicant.
Earliest date: September 1, 1978
Latest date: February 1, 1979
Application Fee: None (Subject to Change)
Notification of acceptance by school.
Earliest date: April 1, 1979
Latest date: July 1, 1979
Class
Starting date: August 29, 1979
Ending date: May 10, 1980
Estimated size of class: 85

1980-81 "Projected" Freshman Class

Filing for formal application by applicant.
Earliest date: September 1, 1979
Latest date: February 1, 1980
Application fee: None (Subject to change)
Notification of acceptance by school.
Earliest date: April 1, 1980
Latest date: July 1, 1980
Class
Starting date: August 27, 1980
Ending date: May 8, 1981
Estimated size of class: 85

GENERAL COMMENTS ON 1979-80 and 1980-81 FIRST YEAR CLASS

Applicant response to acceptance offer.
Preferred time for response: Two weeks from mailing date of tentative acceptance letter
Deadline for response: Same as above
Deposit required and refund policy if applicant withdraws acceptance: None(Subject to change)

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

1979-80 Freshman Class

Tuition and fees (Subject to change)
Resident: $556/year
Non-resident: $1650/year
Room and Board (minimum): $1500/year
Books and Supplies: $350/year
Lab Fees: $25/year
Other Required Expenses: $20/year (Lab. Jackets)

1980-81 "Projected" Freshman Class

Tuition and Fees (Subject to change)
Resident: $556/year
Non-resident: $1650/year
Room and Board (minimum): $1625/year
Books and Supplies: $370.00/year
Lab Fees: $30/year
Other Required Expenses: $35/year (Lab. Jackets)

INFORMATION ON 1978-79 FIRST YEAR CLASS

Number of Students	Instate	Out of State, U.S.	Foreign	Male	Female	Total
90	81	9	0	41	49	90

NORTHEAST LOUISIANA UNIVERSITY
SCHOOL OF PHARMACY
PROGRAM TYPE 2-3

GENERAL INFORMATION

Northeast Louisiana University has followed a course of vigorous growth in its transition from a junior college to an institution offering a comprehensive range of undergraduate and graduate degree programs. In September, 1931, the University opened for its first session as Ouachita Parish Junior College, which was operated as part of the Ouachita Parish School System. The 1950 Legislature approved the expansion of Northeast Junior College to a senior college granting academic degrees. The name of the institution was changed to Northeast Louisiana State College and its control was transferred from the Louisiana State University Board of Supervisors to the State Board of Education. The 1970 Legislature changed the name to Northeast Louisiana University. The establishment of the School of Pharmacy at Northeast Louisiana University was authorized by action of the State Board of Education on August 11, 1956. The School was organized and the curriculum offered for the first time in September, 1956. It is the only state-supported school of pharmacy in Louisiana. In July, 1959, the American Council on Pharmaceutical Education granted the School full accreditation. This accreditation has been continued by subsequent evaluations.

In April, 1958, a student chapter of the American Pharmaceutical Association was established. Kappa Psi and Phi Delta Chi, men's professional fraternities, were issued chapters in 1959. Kappa Epsilon, a pharmacy women's fraternity, was organized in 1960. The Beta Chi Chapter of Rho Chi Pharmacy Honor Society was chartered and installed on campus in May, 1961.

Enrollment in the School of Pharmacy has grown steadily since 1956, making it one of the largest in the nation today. The Master of Science degree was initiated in the Fall of 1966 and the Doctor of Philosophy degree in the Fall of 1969.

The School of Pharmacy is housed in a modern structure of approximately 78,000 square feet on three floors.

CURRICULUM

The five year undergraduate curriculum leading to the Bachelor of Science degree in Pharmacy consists of a two-year pre-professional program and a three-year professional program embodying modern concepts of clinical education and pharmacy practice. Admission to the University is effected through the University Admissions Office. The Office of Admissions is located in Room 1-114, Administration Building, 700 University Avenue, Monroe, LA 71209, Telephone (318) 342-4170. The School of Pharmacy along with the Registrar determines the selection of its students.

Address inquiries to:

Office of the Dean
School of Pharmacy
Northeast Louisiana University
Monroe, La 71209
(318) 342-2180

REQUIREMENTS FOR ENTRANCE

Admission to the University for pre-pharmacy program:

1. For admission as a regular undergraduate student, a candidate must be a graduate of an accredited high school. Students who have received a high school diploma from a high school on the basis of completing the General Education Development tests may apply for admission to the freshman class. The University must receive results of American College Testing program prior to enrollment.
2. A student who has had previous college or university work should apply well in advance of anticipated enrollment and must supply a transcript from each college or university which has been attended.

Admission to the professional program of the School of Pharmacy:

1. In addition to meeting requirements for admission to the University, the applicant must have completed the required pre-pharmacy curriculum and must have earned at least a 2.0 GPA based on a four point system in all previous coursework at all higher institutions of attendance and possess a cumulative grade point average of at least 2.0 in all required Math-Science courses. The pre-pharmacy curriculum includes (semester hours):

English	6 hours
Chemistry	18 hours
Zoology	4 hours
Mathematics	8 hours
Physics	8 hours
Economics	3 hours
Accounting	3 hours
Electives	16 hours
H & PE Activities	2 hours
	68 hours

SELECTION FACTORS

1. Admission to the pre-pharmacy curriculum is contingent on acceptance to the University. Students must have a high school diploma and must present scores from ACT. Criteria used in accepting students is the same for Louisiana residents, out-of-state students, as well as foreign students.
2. Admission to the professional program is based on all pre-pharmacy work. Students are expected to have a minimum of a 2.0 overall average as well as a minimum average of 2.0 in required Math-Science courses. The applicant will be expected to have completed 68 semester hours or the equivalent. Applicants are not required to submit Pharmacy College Admission Test (PCAT) scores.
3. Transfer students may be admitted to either the pre-pharmacy or professional curriculum depending on grade point average and/or semester hours completed. Transcripts should be sent to the University Admissions Office at the time application is made. Applicants transferring from another School of Pharmacy must have the Dean of that school supply a letter of good standing and certification that student is eligible to progress.
4. Admissions to the professional program of Pharmacy are limited and are determined annually based upon the availability of clinical and externship sites. Completion of the pre-pharmacy curriculum

does not guarantee admission to the professional program of the School of Pharmacy.

ADVANCED PLACEMENT TESTS

Advanced placement and credit by examination may be obtained in three ways. Two testing services are available from Educational Testing Service, Princeton, New Jersey. These tests may be taken at various centers throughout the year. The test scores should be sent to the Registrar, Room 10109, Administration Building, Northeast Louisiana University (College Code 6482). Specifically these tests are the Advanced Placement Examinations and the College Level Examinations. Under exceptional circumstances, a student may be given Northeast Credit Examinations. The availability of these exams and the procedures to follow are outlined in the University catalog.

FINANCIAL AID

Students have available to them several sources of income:
Scholarships--Outright gifts of money awarded to students on the basis of academic achievement and financial need.
Loans--Grant of money made with the provision that they be repaid.
Grants--Available to students of exceptional financial need who would not be able to attend college without such aid.
Student Employment--Employment on campus is available in most service and academic areas.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 Freshman Class

Filing for formal application by applicant
    Earliest date: March 1
    Latest date: June 1

Notification of acceptance by school
    Earliest date: June 10
    Latest date: August 17
Class
    Starting date: August 27
    Ending date: May 20

1980-81 "Projected" Freshman Class

Filing for formal application by applicant
    Earliest date: March 1
    Latest date: June 1
    Application fee: $5.00
Notification of acceptance by school
    Earliest date: June 1
    Latest date: August 15
Class
    Starting date: August 25
    Ending date: May 18

ESTIMATED EXPENSES* PER YEAR FOR FIRST YEAR CLASS

1979-80 Freshman Class

Tuition and Fees	
Resident:	$ 416.00
Non-resident:	1,046.00
Room and Board (minimum)	1,170.00
Books and Supplies:	350.00
Lab Fees: Breakage Charges Only	

1980-81 "Projected" Freshman Class

Tuition and Fees	
Resident:	$ 416.00
Non-resident:	1,046.00
Room and Board (minimum)	1,200.00
Books and Supplies:	375.00
Lab Fees: Breakage Charges Only	

*All fees subject to change without notice.

XAVIER UNIVERSITY OF LOUISIANA
COLLEGE OF PHARMACY

PROGRAM TYPE - 2-3

GENERAL INFORMATION

Xavier University of Louisiana is a small urban university located in the heart of New Orleans--a few minutes traveling time from the many colleges, universities and professional schools, which make up the higher educational complex of the city. Xavier is the only American university operated under Catholic auspices which has a predominately black student population. One third of the University's students, however are non Catholic and thirteen percent are white.

Xavier was founded in 1915, first as a high school by Katharine Drexel and the Sisters of the Blessed Sacrament who are dedicated to the education of American minorities. In 1925 the school became a four year college, and in 1927 the College of Pharmacy was established.

The Xavier University College of Pharmacy was dedicated in its beginning and continues in that dedication to bringing of disadvantaged black youth into the learned profession of pharmacy. With the coming of integration, both attend Xavier to study Pharmacy.

Xavier's College of Pharmacy has an outstanding faculty, educated at major universities. Faculty members give personalized attention to students through small classes and individual contact. Students study in a 1.6 million dollar ultra modern facility, with pleasant classrooms, spacious laboratories for group and individual instruction and research, equipped with the latest developments in scientific instrumentation, and a pharmacy library with individual study carrels and other learning aids. They benefit from expert guest lecturers, observations and work in area hopsitals. Xavier's College of Pharmacy maintains high academic standards and instills high ideals and ethical conduct.

CURRICULUM

To be eligible for the Bachelor of Science Degree in Pharmacy, the student must have pursued college level work for at least five years (at least three of these in the College of Pharmacy) and have completed 166 semester hours of work with a 2.0 average.

September 1, 1967, the Xavier College of Pharmacy adopted the 2-3 plan for granting Bachelor of Science Degree in Pharmacy. The two year pre-pharmacy curriculum is offered in the College of Arts and Sciences. The three year professional program is offered in the College of Pharmacy. The pharmacy curriculum is designed to develop pharmacists who are scientifically trained, clinically competent to deliver the full spectrum of pharmaceutical services required in modern health care, and liberally educated to discharge their responsibilities as citizens in our dynamic society.

To achieve these goals the curriculum provides:
1. Instruction in the physical, biological, behavioral sciences and in the humanities;
2. A clinical component designed to develop graduates skilled in: (a) monitoring and evaluating drug therapy, (b) providing drug distribution, (c) providing drug information to other members of the health care team and the public, (d) effectively relating to patients and to other health care professionals;
3. The desire to increase competency after graduation through continuing education;
4. An opportunity to engage in a meaningful undergraduate research program which prepares interested and qualified students for graduate study.

REQUIREMENTS FOR ENTRANCE

The two year pre-pharmacy curriculum offered in the College of Arts and Sciences consists of the following:

Phil. - Theo.	9	Ecomomics	3
Electives	3	Chemistry	20
English	6	Physics	8
Mathematics	7	Biology	8
Speech	3	Total sem. hrs.	67

Upon completion ofthis curriculum, the student should have earned 67 semester hours of credit, attained a cumulative quality point average of not less than 2.0, and a grade point average of 2.0 in mathematics and sciences (chemistry, biology, and physics).

Transfer students may offer acceptable academic electives (humanities, social sciences) in place of philosophy and theology courses required in the Xavier pre-pharmacy program. Other courses presented by transfer students should be equivalent to those offered by Xavier. Only courses with a grade of "C" or better will be accepted for transfer credit.

Effective August 1979, applicants must have attained a minimum cumulative grade point average of 2.3 and earned no less than a grade of "C" or its equivalent in each mathematics, chemistry, biology and physics course for consideration. Effective January 1980, an applicant must have attained a minimum cumulative grade point average of 2.5.

SELECTION FACTORS

Admission to Xavier of Louisiana College of Pharmacy is selective. Factors considered by the Admissions Committee include the applicant's academic and personal records giving special attention to grades in mathematics and science courses. The Pharmacy College Admission Test is a requirement. A personal interview with each applicant is not required. However, the Admissions Committee may ask an applicant to meet with them if they deem it necessary. A letter of recommendation is required. Xavier and/or Metropolitan New Orleans area pre-pharmacy students will be given priority for admission.

ADVANCED PLACEMENT TEST

Credit may be earned in certain subject matter areas on the basis of the College Level Examination Program (CLEP) Subject Examinations. Credit will not be awarded on the basis of the CLEP General Examinations. For further details write the Director of Admissions.

To be eligible for the Bachelor of Science Degree in Pharmacy from Xavier a student normally must spend six semesters in the College of Pharmacy.

FINANCIAL AID

Xavier offers its students various types of assistance in financing their pharmacy education. In offering this assistance, emphasis is placed on the financial need of the applicant. The types of assistance is in the form of:

Scholarships - Gifts of money awarded to a student in recognition of academic excellence, achievement or financial need.

Grants-In-Aid-Gifts of money awarded primarily on the basis of financial need.

Loan-Grant of money made with the provision that the money be repaid.

Employment- A payment of funds to the student in return for performing duties assigned on or off campus.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 Freshman Class

Filing for formal application by applicant.
  Earliest date: January 15, 1979
  Latest date: April 1, 1979
Notification of acceptance by school.
  Earliest date: June 1, 1979
  Latest date: August 10, 1979
Class
  Starting date: August 22, 1979
  Ending date: May 9, 1980
  Estimated size of class: 75

1980-81 "Projected" Freshman Class

Filing for formal application by applicant
  Earliest date: January 21, 1980
  Latest date: April 1, 1980
Notification of acceptance by school.
  Earliest date: June 1, 1980
  Latest date: August 15, 1980
Class
  Starting date: August 20, 1980
  Ending date: May 15, 1981
  Estimated size of class: 75

GENERAL COMMENTS ON 1977-78 AND 1978-79 FIRST YEAR CLASSES

Applicant response to acceptance offer.
  Preferred time for response: Within two weeks of notification.
  Deadline for response: August 10, 1979, August 15, 1980
Deposit required and refund policy if applicant withdraws acceptance: $20 acceptance deposit required. No refund of acceptance deposit will be made.

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

1979-80 Freshman Class

Tuition and Fees per year
  Resident: $2150
  Non-resident: $2150
Room and Board (minimum): $1340
Books and Supplies: $275
Lab Fees: Science Lab. Breakage Deposit $20

1980-81 "Projected" Freshman Class

Tuition and Fees
  Resident: $2150
  Non-resident: $2150
Room and Board (minimum): $1340
Books and Supplies: $300
Lab Fees: Science Lab. Breakage Deposit $20

ESTIMATED INFORMATION ON 1978-79 FIRST YEAR CLASS

Number of Students	Instate	Out of State, U.S.	Foreign	Male	Female	Total
225	128	75	22	120	105	225

UNIVERSITY OF MARYLAND
SCHOOL OF PHARMACY

2-3 Program Type

GENERAL INFORMATION

The School of Pharmacy of the University of Maryland is the only School of Pharmacy in the State of Maryland. The Maryland College of Pharmacy, established as the first Pharmacy School of the South, was organized in the City of Baltimore on July 20, 1840. The College, incorporated on January 27, 1841, gave its first lectures in November. During the brief association (1844-47) of the old Maryland College of Pharmacy with the old, privately owned and operated University of Maryland in Baltimore City, the first professorship in pharmacy in the United States was established. David Stewart, M.D., an alumnus of the School of Medicine (1844), was elected Professor of Pharmacy (1844-46). From 1848-1903, the old college operated as an independent institution at various locations in the city. In 1904, the Maryland College of Pharmacy became the Department of Pharmacy of the University of Maryland, Baltimore. Today, the School of Pharmacy of the University of Maryland, Baltimore City Campus, offers a bold and innovative professional pharmacy education.

CURRICULUM

The overall five year curriculum leading to the Bachelor of Science degree in Pharmacy is divided into a 2-2-1 sequence (two years pre-professional, two years basic pharmaceutical sciences, and one year of clinical and professional practice). Completion of the fifth year prepares the student-extern for assuming the full responsibilities of licensure and ensures eligibility for the State Board of Pharmacy Examination. The School also offers courses leading to the Master of Science degree and the Doctor of Philosophy degree. The School offers a Pharm.D. program on a 2-2-2 basis (two years pre-professional, two years basic pharmaceutical sciences and two years of clinical training and practice).

Those interested in applying for the program should plan to complete the equivalent of the 2-2 sequence found in the B.S. in Pharmacy program, including pathophysiology and calculus.

The School accepts definite responsibilities for undergraduate, graduate and continuing education of pharmacists and those interested in the pharmaceutical sciences, and the conduct of original research to advance scientific and professional knowledge.

Graduates of the School serve as community, hospital and industrial pharmacists and their educational background qualifies them for professional educational and governmental regulatory or environmental control agencies. Pharmacy graduates are uniquely qualified to pursue advanced study in the bio-medical and other health related sciences.

The new role of the pharmacists requires not only training in chemistry, physical chemical properties, stability and pharmaceutical nature of drugs, but advanced training in clinical pharmacy and pharmacology. The School of Pharmacy has modernized its curriculum to permit its graduates to play an important part with the physician in drug selection and monitoring of drug administration through a course of patient therapy, with early recognition of potential adverse drug effects.

The aims and objectives of the clinical program in pharmaceutical education in the School include the opportunity for interaction with other students and professional people in the Schools of Medicine, Dentistry, Nursing, Social Work and Community Planning and Law. This interaction will enhance the opportunities for development of the informational role of the pharmacist to bring him closer to the physician as a recognized source of dependable information about drugs and therapeutic agents.

The School accepts its responsibilities for recruiting minority and disadvantages students who wish to enter the practice of pharmacy. Without lowering admission standards or modifying the educational requirements, representatives of these groups take advantage of the modernized curriculum offered by the School which enables them to assume their professional role in providing the high quality health care demanded by the American Society.

Address inquiries to:

Office of Minority Affairs
School of Pharmacy
636 West Lombard Street
Baltimore, Maryland 21201
(301) 528-6586

The University of Maryland School of Pharmacy graduate programs take cognizance of the present concerns of graduate education; emphasizing quality and quantity and a basic goal of the University in terms of elucidating new knowledge through various types of basic and applied research; the School offers interdisciplinary approaches limited in size but high in quality.

Inherent in the activities of the School is the obligation to serve as the focal point of leadership for the profession of pharmacy in Maryland, and to provide expertise to the community in related fields. The School is continuing to meet its public responsibilities as an information source, training professionals, and a therapeutic drug information registry. In all these services it is not only fulfilling the needs of the citizens of the State, but it is contributing to knowledge in the healing arts.

Candidates for advanced degrees must register in the Graduate School of the University. For detailed information, write: Office of the Dean, School of Pharmacy, 636 West Lombard Street, Baltimore, Maryland 21201, and also see the catalog of the Graduate School.

REQUIREMENTS FOR ENTRANCE

Applicants must present evidence of having successfully completed the required pre-professional program of 60 credits or be enrolled in the final semester leading to completion of the program. In addition, applicants must have taken the Pharmacy College Admission Test (PCAT) and had the test results submitted along with the other records required by the application before May 1, 1979. The minimum scholastic quality point average for application consideration is 2.25.

UNIVERSITY OF MARYLAND
SCHOOL OF PHARMACY

The following courses are required:

English	6 credits
Math (pre-calculus-calculus)	6 or 7 credits
Zoology or Biology	4 credits
General Chemistry	8 credits
Organic Chemistry	8 credits
Physics	8 credits
	40 - 41 credits

Other courses and credits recommended are (6) Humanities; (6) Social Sciences and (8) Free Electives.

SELECTION FACTORS

An admissions committee consisting of faculty members and representatives of the student body consider all applications meeting the required standards. The committee considers the applicant's academic achievement, extracurricular activities, personal characteristics as determined by interviews by the committee members, and the scores on the Pharmacy College Admissions Test (PCAT). Academic achievement and/or high scores in the PCAT do not in themselves ensure acceptance. Also of concern to the committee are the professional and social awareness, communication skills, integrity, maturity and motivation of the applicant.

It should be pointed out to applicants that while a minimal QPA of 2.25 is required for application consideration, the average QPA of entering students is approximately 3.0. That fact, coupled with the multiple applications for each available position in the entering class give these applicants with QPA's below 2.5 extremely low probabilities for admission.

ADVANCED PLACEMENT TESTS

In general, the School will accept any credit accepted by the accredited feeder institution through the CEEB (Advanced Placement or College Level Examination Program). Only transfers from accredited United States pharmacy schools and graduates of foreign pharmacy schools will spend less than three years at the School.

FINANCIAL AID

Students admitted into the Baltimore City Campus professional pharmacy program, who are able to establish need and who have demonstrated academic ability to make normal progress and advancement in their pharmacy program are eligible for:

Scholarships and Grants - Outright gifts of money awarded to students on the basis of academic achievement, financial need, and leadership qualities.

Awards - Outright gifts of money awarded to deserving students.

Loans - Funds made available with the provision that they be repaid.

Information concerning scholarships, grants and loans should be addressed to:

Dr. C. T. Ichniowski
Financial Aid Officer
University of Maryland
School of Pharmacy
636 West Lombard Street
Baltimore, Maryland 21201
(301) 528-7184

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 First Professional Year Class

Filing of formal application by applicant:
- Earliest date: November 1
- Latest date: April 1
- Application Fee: $15.00

Notification of acceptance by School:
- Earliest date: March 1
- Latest date: June 1

Class:
- Starting date: August 28
- Ending date: June 1
- Estimated size of class: 92

1980-81 "Projected" First Professional Year Class

Filing of formal application by applicant:
- Earliest date: November 1
- Latest date: *April 1
- Application Fee: $15.00

Notification of acceptance by School:
- Earliest date: March 1, 1979
- Latest date: May 15, 1979

Class:
- Starting date: August 28
- Ending date: May 31
- Estimated size of class: 92

*All supportive documents, including PCAT scores, must be received before May 1, 1979.

GENERAL COMMENTS ON 1978-79 and 1979-80 FIRST PROFESSIONAL YEAR CLASS

Application response to acceptance offer:
- Preferred time for response: 2 weeks
- Maximum time: June 15, 1978; June 1, 1979

Deposit required and refund policy if applicant withdraws acceptance: $50.00 within two weeks of admissions offer; nonrefundable

ESTIMATED EXPENSES PER YEAR FOR FIRST PROFESSIONAL YEAR CLASS

1978-79 First Professional Year Class

Tuition and Fees:
- Resident: $870 Non-Resident: $2300

Room and Board (minimum): $1800

Books and Supplies: $200

1979-80 First Professional Year Class

Tuition and Fees:
- Resident: $950 Non-Resident: $2500

Room and Board (minimum): $1900

Books and Supplies: $225

ESTIMATED INFORMATION ON 1977-78 FIRST PROFESSIONAL YEAR CLASS

Number of Students	Instate	Out-of-State, U.S.	Foreign	Male	Female	Total
	88	4	0	47	45	92

MASSACHUSETTS COLLEGE OF PHARMACY
BOSTON, MASSACHUSETTS, 02115

PROGRAM TYPE

0-5

GENERAL INFORMATION

The Massachusetts College of Pharmacy was organized in 1823 with the purpose of educating men and women for careers in the profession of pharmacy. With this objective, the College has progressed steadily for over one hundred and fifty years. Within an area of only a few square miles about the College, in Boston, is a great medical and educational center. Harvard Medical School, Harvard School of Public Health, Children's Hospital, Peter Bent Brigham Hospital, and the Countway Library of Medicine are in the immediate vicinity. Boston offers fine museums, the live theatre, a symphony orchestra, a ballet company, an international airport, a city of history; a city projecting the future. A location where there are nearly 1,000 community pharmacies and hospitals provides ample employment opportunities for students.

The College buildings combine to provide classrooms, laboratories, lecture halls, conference rooms, offices, a library and reading room, a cafeteria, and a recreation area - all with modern equipment and furnishings.

CURRICULUM

The undergraduate program of study at the Massachusetts College of Pharmacy is designed to graduate men and women who will not only be assets to the profession of pharmacy, but who will also have the foresight to set the course of pharmacy to the benefit of the whole society. The curriculum in pharmacy, chemistry, biology, physics and mathematics is balanced with courses in business administration and in liberal arts so as to show their inter-relationships and mutual dependence. The program leads to the degree of Bachelor of Science in Pharmacy. In addition, MCP offers a graduate program leading to the degrees of Doctor of Pharmacy, Master of Science in Pharmacy, Master of Pharmacy, and Doctor of Philosophy in Pharmacy. Admission to the College is effected through the Office of Admissions. Counselors are available for personal conferences to aid the prospective student. The Admissions Office, located in the White Building, is open Monday through Friday, excepting holidays, year-round.

Address inquiries to: Bruce D. Grigsby
Director of Admissions
Massachusetts College
of Pharmacy
179 Longwood Avenue
Boston, Massachusetts 02115
(617) 734-6700 ext. 141/146

REQUIREMENTS FOR ENTRANCE

1. Students in high school may apply after the beginning of their senior year for admission to the fall quarter following their graduation.
2. Transfer students must apply by February 1 for the fall quarter.
3. Sixteen units of high school work are recommended for admission. The following units are required:

English	4 units
Mathematics	3 units
Laboratory Science(Biology,Chem)	2 units
History	1 unit
College Preparatory Subjects	6 units

Students will find it advantageous to have one year of physics and/or advanced chemistry with lab as well as an additional unit of mathemetics.

SELECTION FACTORS

1. Though no one individual standard is used, the high school record is the best indication in most cases of a student's motivation and academic preparation.
2. The Scholastic Aptitude Test of the College Entrance Examination Board is required. The Pharmacy College Admissions Test (PCAT) is not required.
3. A personal interview, though not required, is recommended for the better MCP knows the applicant and the more the applicant knows about MCP, the more meaningful will be the decision for each.
4. Students applying for transfer must submit official transcripts from an accredited college or university. A cumulative grade point average of a 3.0 is recommended.
5. Unaffiliated students, veterans, and adults may apply for admission on the basis of acceptable College Level Examination Program test scores (C.L.E.P.) in subject examinations.

ADVANCED PLACEMENT TESTS

Applicants with superior credentials and abilities, as demonstrated through class standing, intelligence quotient, and performance in the College Entrance Examination Board Advanced Placement Tests, may apply for advanced placement and/or advanced standing credit up to a maximum of a full year's work. Advanced placement will be assigned in each case by the department concerned after a personal interview.

In order to obtain a degree from MCP it is necessary to complete a minimum of 100 quarter hours of credit in residence. A student enrolled must complete 90% of the required course work and 80% of the elective course work in residence.

FINANCIAL AID

If students have problems in meeting the costs of higher education, the College will make every effort to assit them in several ways:

1. Scholarships - The College has more than fifty scholarships available for its students. Also, the College participates in the Health Professions Scholarship Program of the United States Department of Health, Education and Welfare, Public Health Service. These scholarships are available to talented students from low-income families who without financial assistance would not be able to pursue the required studies.
2. Loans - The College has available Health Professions Student Loans and National Direct Student Loans to those students demonstrating sufficient financial

need.

3. Grants - The College administers the Basic Educational Opportunity Grants Program which provides assistance to needy students who are enrolled on at least a half-time basis. In addition, Supplemental Educational Opportunity Grants are available to students from low income families.

4. College Work-Study Program - Students may work part-time on campus during the academic year and part or full-time during the summer while not attending classes. First preference is given to students from low-income families.

Students seeking financial aid must file a copy of the Financial Aid Form (F.A.F.) with the College Scholarship Service and must request that a copy be transmitted to the College (Code number 3512).

ADDITIONAL INFORMATION

1. Boston State College - A limited number of students may take specified course work at Boston State College leading to teacher certification.
2. Boston University Medical Center - The services and facilities of the libraries at Boston University Medical Center and MCP are available to the faculties and students of both institutions.
3. Harvard Medical School - A joint program with Harvard Medical School is in support of teaching and research activities in pharmacology and/or clinical pharmacy.
4. Massachusetts General Hospital - MCP offers a program in radiopharmacy in collaboration with the Massachusetts General Hospital.
5. Northeastern University - MCP and Northeastern University have an agreement for crossenrollment of MCP students (men and women) into an ROTC program.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 Freshmen Class

Filing for formal application by applicant.
    Earliest date: September 1, 1978
    Latest date: July 1, 1979
    Application fee: $20.00
Notification of acceptance by school.
    Earliest date: October 1, 1978
    Latest date: August 1, 1979
Class
    Starting date: September 4, 1979
    Ending date: May 16, 1980
    Estimated size of class: 300

1980-81 "Projected" Freshmen Class

Filing for formal application by applicant.
    Earliest date: September 1, 1979
    Latest date: July 1, 1980
    Application fee: $20.00
Notification of acceptance by school.
    Earliest date: October 1, 1979
    Latest date: August 1, 1980
Class
    Starting date: September 2, 1980
    Ending date: May 15, 1981
    Estimated size of class: 300

GENERAL COMMENTS ON 1979-80 AND 1980-81 FIRST YEAR CLASSES

Applicant response to acceptance offer.
    Preferred time for response: One month
    Deadline for response: April 1, 1980; April 1, 1981
Deposit required and refund policy if applicant withdraws acceptance: $100.00 deposit which is non-refundable.

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

1979-80 Freshmen Class

Tuition and Fees
    Resident: $2814.
    Non-Resident: $2814.
Room and Board (minimum): $2400.
Books and Supplies: $200.
Lab Fees: $0.
Other Required Expenses: $25.

1980-81 "Projected" Freshmen Class

Tuition and Fees
    Resident: $2814.
    Non-Resident: $2814.
Room and Board (minimum): $2400.
Books and Supplies: $200.
Lab Fees: $0.
Other Required Expenses: $25.

INFORMATION ON 1978-79 FIRST YEAR CLASS

Number of Students	Instate	Out of State, U.S.	Foreign	Male	Female	Total
	143	107	26	145	105	250

NORTHEASTERN UNIVERSITY
COLLEGE OF PHARMACY AND ALLIED HEALTH PROFESSIONS

PROGRAM TYPE
0-5

GENERAL INFORMATION
The College of Pharmacy and Allied Health Professions had its beginnings in 1927. On September 1, 1962, after several name changes, the New England College of Pharmacy joined Northeastern University and became the College of Pharmacy of Northeastern University. Since the Philosophy of education at Northeastern University is based on the cooperative plan of education, cooperative work periods were immediately included in the pharmacy program. During the second, third, and fourth years in school the pharmacy student may work during the co-op period in retail pharmacy, hospital pharmacy, pharmaceutical industry, or in research institutes.

The Graduate School of Pharmaceutical Sciences was established in 1964. In 1971 the Division of Allied Health Sciences joined the College of Pharmacy to establish the new College of Pharmacy and Allied Health Professions. Today the college occupies the Mugar Life Sciences Building on the main campus of Northeastern University.

CURRICULUM
The College offers a five-year curriculum which leads to the degree of Bachelor of Science in Pharmacy. This curriculum conforms to the standards established by the American Council on Pharmaceutical Education and the American Association of Colleges of Pharmacy. During the last two years of the pharmacy program a student, by the selection of electives, may specialize in retail pharmacy, hospital pharmacy, or prepare himself for admission to graduate or professional schools.

REQUIREMENTS FOR ENTRANCE
1. Students are encouraged to apply for admission during the summer following their junior year or early in the senior year of high school. The Committee on Admissions operates under a Rolling Admission Plan, hence it is to the student's advantage to apply early. Freshman students may begin their studies in either September or January.

2. Transfer students may enroll in September in the second year and April or June in the third year. Applicants for admission must have completed the full sequence of courses in science and mathematics and are expected to show particular strength in these areas of study.

SELECTION FACTORS
1. The Scholastic Aptitude Test and three Achievement Tests of the College Entrance Examination Board are required. The American College Testing program results may be substituted for the above requirement. Results are used primarily for the purpose of counseling and placement. The Pharmacy College Admission Test (PCAT) is not required at this time but is recommended to aid the student in program selection.

2. The Committee on Admissions is especially interested in evidence of independent study, research projects and any significant community or school projects in which you may have been involved. Such evidence is considered to be of real importance to future success.

3. Although a personal interview is not required, it is recommended for those who have special questions or wish to learn how the Cooperative Plan of Education is applied in the College of Pharmacy.

ADVANCED PLACEMENT TESTS
The University grants advanced placement credit to those students who have earned a score of 3 or better in the Advanced Placement Examinations and receive full credit for those courses from which they have been excused. Applicants are required to write their Advanced Placement Tests of the College Board in May.

Advanced credit is granted, also, for successful completion of the College Level Examination Program (CLEP). Qualified students are encouraged to write the general and/or subject matter examinations with result that college credit may be allowed upon entrance. Northeastern University is authorized to administer the CLEP examinations. In general, the score ranges recommended by the College Board are accepted.

FINANCIAL AID
Northeastern University participates in the College Scholarship Service (CSS) of the College Entrance Examination Board. Participants in the CSS subscribe to the principle that the amount of financial aid granted a student should be based upon financial need.

Applicants seeking financial assistance for the freshman year are required to submit a copy of a Financial Aid Form (FAF) to the College Scholarship Service by February 15. In addition, all financial aid applicants must file for a Basic Educational Opportunity Grant and submit evidence of their application to the Financial Aid Office. Also, all applicants are required to file for their state's scholarship program, if applicable.

Students should remember that the earlier they have completed their financial aid application and have been accepted for admission, the better are their chances of receiving aid.

In general, the Office of Financial Aid operates on what is called a Financial Aid Package plan. Need is met by some combinations of scholarships, loans, and part-time jobs.

ADDITIONAL INFORMATION
Students who are interested in attending Northeastern are cordially invited to visit the University. Arrangements have been made for a series of Admissions Conferences on Monday and Friday, except for legal holidays, at 10 a.m. and at 2 p.m. Included is a film describing Northeastern and the Cooperative Plan of Education. Candidates who have particular problems of a personal nature may talk with a counselor either before or after the group interview.

Address inquiries to: The Department of Admissions
Northeastern University
360 Huntington Avenue
Boston, Massachusetts 02115

NORTHEASTERN UNIVERSITY
COLLEGE OF PHARMACY AND
ALLIED HEALTH PROFESSIONS

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 Freshman Class

Filing for formal application by applicant.
  Earliest date: Rolling Admission
  Latest date: Rolling Admission
Notification of acceptance by school.
  Earliest date: Rolling Admission
  Latest date: Rolling Admission
Class
  Starting date: September 24, 1979
  Ending date: June 13, 1980
  Estimated size of class: 150

1980-81 "Projected" Freshman Class

Filing for formal application by applicant.
  Earliest date: Rolling Admission
  Latest date: Rolling Admission
  Application fee: $20.00
Notification of acceptance by school.
  Earliest date: Rolling Admission
  Latest date: Rolling Admission
Class
  Starting date: September 23, 1980
  Ending date: June 19, 1981
  Estimated size of class: 150

GENERAL COMMENTS ON 1979-80 AND 1980-81 FIRST YEAR CLASSES

Applicant response to acceptance offer.
  Preferred time for response: April 1
  Deadline for response: April 1
Deposit required and refund policy if applicant withdraws acceptance: $100.00 non-refundable.

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

1979-80 Freshman Class

Tuition and Fees	
Resident:	$2835.00*
Non-resident:	$2835.00*
Room and Board (minimum):	$2100.00*
Books and Supplies:	$ 250.00*
Lab Fees:	$ 40.00*
Other Required Expenses:	$ 250.00*

*Subject to change

1980-81 "Projected" Freshman Class

Tuition and Fees	
Resident:	$2835.00*
Non-resident:	$2835.00*
Room and Board (minimum):	$2100.00*
Books and Supplies:	$ 250.00*
Lab Fees:	$ 40.00*
Other Required Expenses:	$ 250.00*

*Subject to change

ESTIMATED INFORMATION ON 1978-79 FIRST YEAR CLASS

Number of Students	Instate	Out-of-State, U.S.	Foreign	Male	Female	Total
150	90	49	11	85	65	150

FERRIS STATE COLLEGE
SCHOOL OF PHARMACY
2-3 Program Type

GENERAL INFORMATION

In 1893, less than a decade after the establishment of Ferris State College, the first Pharmacy students were enrolled to prepare for the Michigan Board of Pharmacy examinations and subsequently to become registered as licensed pharmacists. Through the succeeding years this early preparatory course has gradually evolved into the modern five-year curriculum leading to the degree of Bachelor of Science in Pharmacy.

Graduates of the Ferris State College School of Pharmacy are qualified to assume positions in rendering public health services to their communities. Pharmaceutical education emphasizes both professional and commercial aspects and enables students to meet the present and future demands of their profession. Although the curriculum is constructed with particular emphasis on training community pharmacists, some of the graduates use this training in sales-service opportunities for pharmaceutical manufacturers, in analytical positions in responsible positions in hospital pharmacies. The type of instruction received in the School of Pharmacy permits the graduates to continue in post-graduate education, resulting in careers in teaching or in industrial research. Education in Pharmacy at Ferris State College offers unlimited opportunities and rewarding and varied experiences to both men and women.

CURRICULUM

Successful completion of the prescribed five years of study qualifies the student for the Bachelor of Science Degree in Pharmacy and satisfies the education requirements for licensure as a pharmacist in Michigan and all other states.

School of Pharmacy courses:

1st professional year (3rd year)	Quarter Hrs.
Pharmaceutical Calculations	3
Pharmaceutics	12
Biochemistry	8
Pathophysiology	6
Microbiology	8
Intro. to Nuclear Pharmacy	1
Biostatistics	2
Drug Analysis	5
2nd professional year (4th year)	**Quarter Hrs.**
Jurisprudence	3
Biopharmaceutics	3
Prescriptions Laboratory	2
Management Systems for Pharmacists	3
Organic Medicinal Chemistry	9
Pharmacology	12
Pharmacognosy	6
Pharmacotherapeutics I	3
Clinical Biochemistry Lab	1
Professional Practice Management	3
3rd professional year (5th year)	**Quarter Hrs.**
Clinical Clerkship	15
Pharmacy & Community Health	2
3rd professional year (5th year)	**Quarter Hrs.**
Pharmacotherapeutics II	3

24 hours of general electives and 16 hours of professional electives are also required for graduation.

Address inquiries to:
Director of Admissions
Ferris State College
Big Rapids, MI 49307

REQUIREMENTS FOR ENTRANCE

Ferris State College School of Pharmacy operates on a 2-3 system. Two years are spent in Pre-Pharmacy curriculum and the last three years in the School of Pharmacy itself.

The 2-year Pre-Pharmacy requirements may be obtained at Ferris or at another college or university of the student's choice. To enter the Ferris Pre-Pharmacy Curriculum (School of General Education), the student must be a high school graduate with no less than a "C" grade point average. To be admitted to the first year of Pharmacy School (the junior year) a student must have completed all of the course requirements listed for the freshman and sophomore Pre-Pharmacy years. Also, in order to be considered for admission, a grade of "C" or better must have been earned in all terms of Chemistry, Biology, Mathematics, and the student's cumulative grade point average must be no less than "C" (2.0).

Two year Pre-Pharmacy Program

Chemistry	Quarter Hrs.
General	12-15
Organic	12-15
Mathematics	
Calculus	4
Biological Science	
Botany & Zoology	12
Anatomy & Physiology (Human)	12
English	9
Psychology	
Introduction or General	3
Principles of Economics	4
Political Science	
American Government	3
*Physics	12

*The student must pass either a physics proficiency exam based upon the content covered in one year of high school physics, or complete one year of college physics.

SELECTION FACTORS

Selection factors are based upon cumulative grade point average (for required courses only), Chemistry G.P.A., Biology G.P.A., and Mathematics G.P.A. Also considered are number of Chemistry, Biology, or Mathematics courses repeated. The Pharmacy College Admission Test (PCAT) is required.

ADVANCED PLACEMENT TESTS

Advanced placement credit is given in accordance with existing Ferris State College policies. Please consult the school bulletin.

FINANCIAL AID

If students have problems in meeting the costs of higher education, the College will make every effort to assist in several ways:

Scholarships-Outright gifts of money awarded to students on the basis of academic achievement, financial need, and leadership qualities.

Grants-in-aid-Outright gifts of money awarded primarily on the basis of financial need.

Loans-Monies made available with the provision that they be repaid.

Work-Study-Federal College Work-Study Program. Information concerning the aid programs of the College can be found in the "Financial Aids Bulletin" which is available on request.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 Freshman Class

Filing for formal application by applicant.
  Earliest date: Completion of 1 year of college
  Latest date: January 31, 1979
  Application fee: $15.00
Notification of acceptance by school.
  Earliest date: March 1979
  Latest date: April 1979
Class
  Starting date: Not Available
  Ending date: Not Available
  Estimated size of class: 150

1980-81 "Projected" Freshman Class

Filing for formal application by applicant.
  Earliest date: Completion of 1 year of college.
  Latest date: January 31, 1980
  Application fee: $15.00
Notification of acceptance by school.
  Earliest date: March 1980
  Latest date: April 1980
Class
  Starting date: Not Available
  Ending date: Not Available
  Estimated size of class: 150

GENERAL COMMENTS ON 1979-80 AND 1980-81 FIRST YEAR CLASSES

Applicant response to acceptance offer.
  Preferred time for response: Two weeks
  Deadline for response: August 1, 1979 or 1980
Deposit required and refund policy if applicant withdraws acceptance: $40.00 deposit refundable before August 1, 1979 or 1980.

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

1979-80 Freshman Class

Tuition and Fees
  Resident: $984.00
  Non-resident: $1900.00
Room and Board (minimum): $1488.00
Books and Supplies: $300.00
Lab Fees: $15.00
Other Required Expenses: Variable

1980-81 "Projected" Freshman Class

Tuition and Fees
  Resident: Not Predictable
  Non-resident: Not Predictable
Room and Board (minimum): Not Predictable
Books and Supplies: $300.00
Lab Fees: $15.00
Other Required Expenses: Variable

INFORMATION ON 1978-79 FIRST YEAR CLASS

Number of Students	Instate	Out of States, U.S.	Foreign	Male	Female	Total
	137	10	3	104	46	150

THE UNIVERSITY OF MICHIGAN
COLLEGE OF PHARMACY

0-5 Program Type. Some changes in program being considered. Details not available as of this printing.

GENERAL INFORMATION

The College of Pharmacy at The University of Michigan, a state-supported institution of higher learning, traces its background to 1868 when pharmacy was first taught in the College of Literature, Science, and the Arts. A School of Pharmacy was established on December 29, 1876, with the distinction of being the first such unit within a state university in the United States. The title of the School was changed to College of Pharmacy in 1915 to conform with University practice. The College is a member of the Division of Health Sciences of the University and has maintained continuous membership in the American Association of Colleges of Pharmacy. The University of Michigan's College of Pharmacy is accredited by the American Council on Pharmaceutical Education.

Although it is an integral part of a large institution, the College of Pharmacy has an enrollment of less than five hundred students. As a result, pharmacy students are able to make use of all the facilities offered by a large university and at the same time enjoy the advantages of membership in a small closely-knit group.

CURRICULUM

The University of Michigan College of Pharmacy offers the following academic programs:
Bachelor of Science in Pharmacy. A five-year professional program following graduation from high school, designed for the student interested in the general practice of pharmacy. It is also adaptable for those interested in further studies at the graduate level.
Doctor of Pharmacy. A one-year professional program for the pharmacist who holds a B.S. Pharm. degree and wishes to engage exclusively in professional practice in community or hospital pharmacy, or who wishes to serve in the pharmaceutical industry in technological or administrative positions. Graduates may also be eligible for certain teaching positions in pharmacy.
Bachelor of Science in Medicinal Chemistry. A four-year program following graduation from high school, designed for those interested in careers in the pharmaceutical industry in the area of chemistry of medicinal agents. It is also adaptable for those interested in graduate studies. Students earning this degree are not eligible for licensure as a pharmacist.
Bachelor of Science. A four-year program following graduation from high school designed for those interested in the basic pharmaceutical sciences as preparation for graduate studies. Students earning this degree are not eligible for licensure as a pharmacist.
Master of Science and Doctor of Philosophy. The privileges of the Horace H. Rackham School of Graduate Studies are open to graduates of the College of Pharmacy and to graduates of other colleges and universities of recognized standing who are qualified to pursue the advanced courses of study offered in the University. Graduate programs are offered leading to the degrees of Master of Science in Pharmacy, in Pharmaceutical or Medicinal Chemistry, and in Pharmacognosy. The Doctor of Philosophy degree may be earned in Pharmacy, in Pharmacognosy, and in three areas of pharmaceutical chemistry.

Admission to the undergraduate programs is effected through the University's Office of Undergraduate Admissions located in 1220 Student Activities Building, The University of Michigan, Ann Arbor, MI 48109, Telephone (313) 764-7433. Admissions counselors are available in the Office of Undergraduate Admissions for personal conferences to aid the prospective student. The College of Pharmacy has final jurisdiction in the selection of its students.

REQUIREMENTS FOR ENTRANCE

1. Students still in high school may apply after the beginning of their senior year provided admission is requested not later than the fall following graduation.
2. All transfer applicants may apply up to eleven months in advance of the term in which they plan to enroll.

Fifteen units of high school work are required for admission. Along with graduation from an accredited high school the following units of credit are required:

English	3 units
Algebra	1 unit
Plane Geometry	1 unit
Laboratory Science	1 unit

A minimum of four other units selected from the fields of English, foreign language, mathematics, science, social studies, or any combination of these subjects.

The remaining five units required to make up the necessary fifteen units may be entirely elective from among the subjects listed above, and from any others which are counted toward graduation by the high school.

SELECTION FACTORS

1. Admission to The University of Michigan is selective. To qualify for admission an applicant must present scholastic and personal records indicating good preparation and ability to undertake a college degree program. Graduates of accredited Michigan high schools who present an average in the B range in the academic subjects usually are admissible. In addition all freshman applicants are required to submit College Entrance Examination Board Scholastic Aptitude Test (SAT) scores as part of their application. The results of the examination will be reviewed with the total application before a final decision is made on admissibility.
2. Students whose high school grades are below average (below C+) should not anticipate admission to The University of Michigan. These students may qualify for transfer admission after completing at

least one year of course work (thirty semester credits or forty-five quarter credits) with satisfactory grades at a community college or other accredited collegiate institution.

3. Applicants who are at least twenty-one years of age and who lack high school diplomas should consult with an admissions counselor if they wish to be considered for admission to a degree program.

4. Special consideration is given to the needs and admissions of minority students. These needs are met by the Opportunity Program at The University of Michigan as well as the Minority Recruitment and Retention Committee, composed of faculty, staff, and students of the College of Pharmacy.

ADVANCED PLACEMENT TESTS

The University of Michigan is a participant in the College Entrance Examination Board's Advanced Placement Testing program. Superior performance in the tests will entitle an entering freshman to consideration for advanced placement and/or advanced standing credit up to a maximum of a full year's work in the areas covered by the examination. These areas include American history, European history, biology, chemistry, English, French, German, Latin, Spanish, mathematics, and physics. Advanced placement and/or advanced standing credit will be assigned in each case by the department concerned after a review of each examination and after an interview with the student, if that is considered necessary.

FINANCIAL AID

All financial assistance to students is handled by the University's Office of Financial Aid. The University attempts to assist students by these major efforts:
Grants-in-aid - Outright gifts of money awarded primarily on the basis of financial need.
Awards - Outright gifts of money awarded to students who participate in extracurricular activity programs of the University.
Loans - Grants of money made with the provision that they be repaid, usually at a reduced rate of interest.

Information concerning the aid programs of The University can be found in the "Financial Aid" brochure which is available on request from the Office of Financial Aid, 2011 Student Activities Building, The University of Michigan, Ann Arbor, MI 48109.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 First Year Class

Filing for formal application by applicant.
  Earliest date: September 1
  Latest date: March 1
  Application fee: $15
Notification of action by admissions office.
  Usual time from receipt of complete application to acceptance notice: one month
Class
  Starting date: September 8
  Ending date: April 17
  Estimated size of class: 80

1980-81 "Projected" First Year Class

Filing for formal application by applicant.
  Earliest date: September 1
  Latest date: March 1
  Application fee: $15
Notification of action by admissions office.
  Usual time from receipt of complete application to acceptance notice: one month
Class
  Starting date: September 7
  Ending date: April 15
  Estimated size of class: 80

GENERAL COMMENTS ON 1978-79 AND 1979-80 FIRST YEAR CLASS

Applicant response to acceptance offer.
  Preferred time for response: two weeks   Maximum time: September 1, 1977-78; May 1, 1978-79
  Enrollment deposit to hold place in class (applies to tuition): $50, due May 1, 1978-79 (two weeks if offer made after May 1); nonrefundable

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

1978-79 First Year Class

Tuition and Fees
  Resident: $1100
  Non-resident: $3400
Room and Board: $1900
Books and Supplies: $200
Lab Fees: $37
Other Expenses: $800

1979-80 "Projected" First Year Class

Tuition and Fees
  Resident: $1100
  Non-resident: $3400
Room and Board: $1900
Books and Supplies: $200
Lab Fees: $37
Other Expenses: $800

INFORMATION ON 1978-79 FIRST YEAR CLASS

Number of Students	Instate	Out-of-State, U.S.	Foreign	Male	Female	Total
80	59	19	2	22	58	80

WAYNE STATE UNIVERSITY
COLLEGE OF PHARMACY AND ALLIED HEALTH PROFESSIONS
0-5 Program Type - PHARMACY

GENERAL INFORMATION

The College of Pharmacy and Allied Health Professions of Wayne State University, a state-operated institution of higher learning, traces its past through two pharmacy colleges. In 1890, the Detroit College of Pharmacy was founded as a program in the Detroit Medical College, the forerunner of the Wayne State University School of Medicine. The Detroit College of Pharmacy later separated from its parent institution, operated independently for two years, and in 1907, affiliated with the Detroit Institute of Technology. In response to the urging of State area pharmacists, and developing from the six-year course in pharmacy established at Cass Technical High School two years earlier, a new College of Pharmacy was organized by the Detroit Board of Education in 1924. This College of Pharmacy and the Detroit Board of Education's Colleges of Medicine, Education, Liberal Arts, Engineering and Graduate School were united in 1933 into a university called the Colleges of the City of Detroit and named Wayne University in 1934. In 1974, the College of Pharmacy merged with the Division of Allied Health Professions to become the College of Pharmacy and Allied Health Professions of Wayne State University.

CURRICULUM

The undergraduate program in pharmacy leading to the degree of Bachelor of Science in Pharmacy is designed to prepare general practitioners for broad practice, rather than preparing them for a single place of practice within pharmacy. A 400 hour clerkship/externship course with rotations in clinical, hospital, community and "elective" pharmacy experiences is provided in the last professional year plus a three course sequence in case studies in drug therapy and professional practice. A solid basic pharmaceutical science curriculum provides the foundation for this last professional year. Students are admitted from high school into the general pharmacy curriculum (years 1 and 2). This consists of a two year core program (approx. 90 quarter hours) which prepares the student for the professional pharmacy curriculum (years 3,4 and 5). It should be emphasized that enrollment as a general curriculum student is primarily for purposes of identification, counseling and participation in student professional activities.

REQUIREMENTS FOR ENTRANCE

1. Students seeking admission to either the general or professional curricula must first apply to the University through the Office of Admissions, Wayne State University, Administrative Services Building 116, 5950 Cass Ave., Detroit, Michigan 48202 (313 - 577-3577).
2. General Curriculum (years 1 and 2)
    a. 15 units of high school work are required
    b. Graduates of accredited in-state high schools with an average in the "B" range in the academic subjects are usually admissible
    c. Graduates of out-of-state high schools are required to submit College Entrance Examination Board Scholastic Aptitude Test (SAT) scores or the American College Test (ACT) scores as part of their application.
3. Professional Curriculum (years 3,4 and 5)
    a. Admission to the professional curriculum is granted only for the Fall quarter
    b. Minimum requirements for admission to the professional curriculum are:
        1. Completion of not less than 90 quarter hours of College credit including a "core" curriculum of courses. These courses may be taken at a college or university outside of Wayne State University.

"Core" Curriculum
(or equivalent from outside Wayne State University)

Biology 0103 - Introductory Biology
Biology 0160 - Animal Biology
Biology 0220 - Introductory Microbiology

Chemistry 0107, 0108 Principles of Chemistry I and II
Chemistry 0110 - General Analytical Chemistry
Chemistry 0224, 0226 Organic Chemistry I and II
Chemistry 0227 - Organic Chemistry Laboratory

Economics 0101, 0102 Survey of Economics I and II

English 0150 - Freshman Composition
English 02-- - Sophomore level English

Mathematics 0211 - Calculus of Functions of One Variable I

Physics 0213, 0214, 0215 General Physics

Political Science 0101 - Introduction to American Government

        2. Completion of the Pharmacy College Admission Test (P.C.A.T.) not later than February of the year to which application is made.
    c. In addition to the University application, a student must submit a separate application for the professional curriculum.
4. Address inquiries regarding general and professional curriculum and admission procedures to:

Assistant Dean for Admissions
and Student Affairs
College of Pharmacy and Allied
Health Professions
Room 328 Health Sciences Bldg.
Wayne State University
Detroit, Michigan 48202
313 - 577 -1710/11

SELECTION FACTORS

Admission to the professional curriculum is selective. An Admissions Committee evaluates applicants on the basis of "core" course honor point average, P.C.A.T. scores, autobiographical sketch, personal interview and letters of recommendation.

WAYNE STATE UNIVERSITY
COLLEGE OF PHARMACY AND ALLIED HEALTH PROFESSIONS

ADVANCED PLACEMENT TESTS

Superior performance in the College Entrance Examination Board Advanced Placement Tests will entitle an entering freshman to consideration for advanced placement and/or advanced standing credit up to a maximum of a full year's work in the areas covered by the examination.

FINANCIAL AID

Information concerning the aid programs of the University can be found in the "Financial Aids Bulletin" which is available on request from the Office of Scholarships and Financial Aids, Room 222 Administrative Services Building.

TIMETABLE OF APPLICATION AND ACCEPTANCE

(professional curriculum)

1979-80 First Year Class (professional curriculum)

Filing of formal application by applicant
Earliest date: October 15, 1978
Latest date: May 1, 1979
University Application Fee: $15.00
Notification of acceptance by school
Earliest date: March 15, 1979
Latest date: July 15, 1979
Class
Starting date: approximately September 27, 1979
Ending date: approximately June 20, 1980
Estimated size of class: 130

1980-81 "Projected" First Year Class (professional curriculum)

Filing of formal application by applicant
Earliest date: October 15, 1979
Latest date: May 1, 1980
University Application Fee: $15.00
Notification of acceptance by school
Earliest date: Varies, approx. March 1980
Latest date: Varies, approx. July 1980
Class
Starting date: approximately September 30, 1980
Ending date: approximately June 20, 1981
Estimated size of class: 130

GENERAL COMMENTS ON 1979-80 and 1980-81 FIRST YEAR CLASS

Applicant response to acceptance offer.
Preferred time for response: two weeks
Deadline for response: usually two weeks
Deposit required and refund policy, if applicant withdraws acceptance: must pay approximately $120 at early registration (refundable).

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

1979-80 Freshman Class

Tuition and Fees
Resident: $1169-$1249
Non-resident: $2882-$3096

Room (minimum): $ 750
Books and Supplies: $ 300
Lab fees: $ 30
Other required expenses: $90

1980-81 "Projected" Freshman Class

Tuition and Fees
Resident: $1200-$1300
Non-resident: $3100-$3200

Room (minimum): $ 800
Books and Supplies: $ 350
Lab fees: $ 30
Other Required expenses: $90

ESTIMATED INFORMATION ON 1978-79 FIRST YEAR CLASS

Number of	Instate	Out-of-State, U.S.	Foreign	Total
Students	128	0	2	130

UNIVERSITY OF MINNESOTA
COLLEGE OF PHARMACY
PROGRAM TYPE: 2-3

GENERAL INFORMATION

The College of Pharmacy of the University of Minnesota first offered a degree program in 1892. In 1915, the Ph.G. degree was replaced by the Phm.C. (pharmaceutical chemist) which in turn was dropped in 1927 when the bachelor of science degree (B.S. in Pharm.) was initiated. Pharmaceutical education has progressed rapidly and soundly while keeping pace with advances made in the other health sciences. Such progress in education made necessary the extended program in 1954 (5 years) with the objectives of broadening the students' knowledge and enhancing the prestige of the profession. Thus the student can enjoy intellectual and social growth that will be so important in his future position as a health professional. In 1968 by action of the Board of Regents, the College of Pharmacy was made an integral part of the Health Sciences of the University of Minnesota along with dentistry, medicine, nursing, public health and veterinary medicine.

The objectives of the College of Pharmacy are (a) to educate men and women of ability, integrity and character to identify, prepare, formulate and distribute drugs and other health aids; (b) to disseminate information about the uses and value of drugs; (c) to win, and deservedly keep, public confidence and respect for the profession of pharmacy; (d) to aid the state and federal governments to control habit-forming drugs and to enforce all laws for public welfare; (e) to encourage original work and study by qualified persons who will make unselfish use of their services in the interest of health sciences; and (f) to assist public health agencies in the prevention and control of diseases.

The Doctor of Pharmacy degree program was begun in 1971. This professional degree is conferred on selected applicants upon completion of the program (4 years plus a 12-month residency beyond the 2-year preprofessional requirement for pharmacy). Students interested in this degree program should make their decision early in their professional program in pharmacy so that specialized course work can be integrated into their schedules.

CURRICULUM

The professional programs in pharmacy leading to a Bachelor of Science in Pharmacy or the degree of Doctor of Pharmacy are designed to prepare our young people to practice pharmacy in a number of different settings. The Office of Admissions processes all applications to the College of Pharmacy. The address is: 240 Williamson Hall, 231 Pillsbury Drive S.E., University of Minnesota, Minneapolis, MN 55455 (Telephone: 612-373-2155). The College of Pharmacy through its own committee on admissions makes the final selections from the applications for admission. Applicants who present 2 or more years of accredited collegiate work (90 quarter or 60 semester credits) on admission to the College of Pharmacy can expect to complete the professional program in 3 additional years. Credits for physical education, personal orientation, graphics courses and slide rule learning are not acceptable.

Address inquiries to:
Admissions Office
College of Pharmacy
128 Pleasant St. S.E.
University of Minnesota
Minneapolis, MN 55455
(612) 373-7965

REQUIREMENTS FOR ENTRANCE

Students interested in entering the College of Pharmacy should apply for admission through the University's Office of Admissions. Applications should be filed between October 15 and April 15 of the academic year prior to the fall quarter the applicant desires to enroll. All applicants must take the Pharmacy College Admission Test (PCAT) before February 15. Information about this test is included in the application material. Applicants who have satisfactorily completed 2 or more years of college in a prepharmacy program are eligible to apply for admission to the pharmacy curriculum, provided their preprofessional courses included the following or their equivalent:

General Biology or Botany/Zoology
General Chemistry (1 year)
Organic Chemistry (1 year)
Economics (Macro and Micro principles)
English Composition
College Algebra or precalculus
Physics (full course)
Electives-Arts and Humanities, Behavioral and Social Sciences

Total-60 semester hours or 90 quarter credits. Students should plan their prepharmacy curriculum with their advisers, especially the selection of electives. Careful planning throughout the five years can prepare the student for an advanced degree in the area of his choice.

SELECTION FACTORS

In addition to the individual's record in the preprofessional curriculum, the Admissions Committee uses such criteria as attitude, industry, leadership ability, appearance, maturity, sound moral character and other personal attributes, when possible, in making admission decisions. Resident applicants who have a grade point average of 'B' or above and meet all other prerequisites will likely be admitted. Non-resident applicants presenting above-average records will be considered individually.

All applications will be reviewed and applicants will be notified as soon as possible after the completed application, 2 official transcripts, 2 letters of recommendation and PCAT scores have been received. A personal interview with each applicant is not required although a candidate may be asked to meet with the Committee at their discretion. An applicant may request a conference with a faculty member.

UNIVERSITY OF MINNESOTA
COLLEGE OF PHARMACY

FINANCIAL AID

Scholarships - Students registered in the pre-pharmacy years at the University of Minnesota or in any of the professional years of the pharmacy curriculum are eligible for scholarships. The listing of these can be found in the official College Bulletin, available on request. The stipends range from $100 to $1,000 for these awards. A committee of faculty and student representatives makes these awards with the cooperation of the Office of Student Financial Aid, 107 Armory, 15 Church Street S.E., University of Minnesota, Minneapolis, MN 55455. The scholarships are awarded on the basis of scholastic achievement, financial need, vocational intention and other criteria.

Loans - Limited funds have been established by various individuals and professional organizations for the benefit of students in the College of Pharmacy who find themselves in a position of needing financial help.

The Health Professions Loan Program is currently available to all students in the pharmacy program. Recipients must be members of low income families who need financial assistance to pursue their course of study. Awards of up to $3,000 per annum are offered, depending upon the student's financial need. Contact the Student Financial Aid Office for further information.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 First Year Class

Filing of formal application by applicant.
- Earliest date: October 15, 1978
- Latest date: April 15, 1979
- Application Fee: $10

Notification of acceptance by school.
- Earliest date: January 15, 1979
- Latest date: August 15, 1979
- Usual time from receipt of complete application to acceptance notice: Varies

Class
- Starting date: September 24, 1979
- Ending date: June 13, 1980
- Estimated size of class: 120

1980-81 "Projected" First Year Class

Filing of formal application by applicant.
- Earliest date: October 15, 1979
- Latest date: April 15, 1980
- Application Fee: $10

Notification of acceptance by school.
- Earliest date: January 15, 1980
- Latest date: August 15, 1980
- Usual time from receipt of complete application to acceptance notice: Varies

Class
- Starting Date: September 22, 1980
- Ending date: June 12, 1981
- Estimated size of class: 120

GENERAL COMMENTS ON 1979-80 AND 1980-81 FIRST YEAR CLASSES

Applicants response to acceptance offer
- Preferred time for response: 4 weeks or less
- Deadline for response: Varies

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

1979-80 First Year Class

Tuition and Fees
- Resident: $1,525
- Non-resident: $3,800

Room and Board (minimum): $2,200
Books and Supplies: $250
Lab Fees: $40

1980-81 "Projected" First Year Class

Tuition and Fees
- Resident: $1,600
- Non-Resident: $4,500

Room and Board (minimum): $2,500
Books and Supplies: $300
Lab Fees: $40

INFORMATION ON 1978-79 FIRST YEAR CLASS

	Instate	Out-of-State,U.S.	Foreign	Male	Female	Total
Number of Students:	105	9	9	67	56	123

THE UNIVERSITY OF MISSISSIPPI
SCHOOL OF PHARMACY
2-3 PROGRAM TYPE

GENERAL INFORMATION

The School of Pharmacy at the University of Mississippi is in its seventieth year and since 1908 has come to be recognized as one of the outstanding Schools of Pharmacy in the United States.
The Bureau of Pharmaceutical Services and the Research Institute of Pharmaceutical Sciences are integral parts of the School of Pharmacy and function to provide service and research as well as instruction to Mississippi and to students enrolled in the school.
The Ole Miss School of Pharmacy is truly student oriented. The student-faculty ratio is maintained at a level to assure a close faculty-student relationship in each of the departments. All departments advocate the "open-door policy" whereby students are encouraged to "drop-in" on any of their professors, visit with them and discuss their academic program or any problems that they may have. Students serve actively on all the major committees of the School of Pharmacy. Students adhere to an honor system which regulates their conduct during professional course work and on examination. Any disciplinary problem that may arise is referred to the Honor Council, which is composed of students elected by their classmates.
The primary objective of the School is to provide thorough instruction for students who desire to acquire the special education and training necessary for the successful practice of pharmacy.
Graduates of the "Ole Miss" School of Pharmacy fill responsible positions as community pharmacists, manufacturing pharmacists, hospital pharmacists, analysts of pharmaceutical and food products, and professional service representatives for manufacturers of pharmaceutical, chemical and medical products.
In 1969, the School of Pharmacy occupied Faser Hall, a building named in honor of the memory of Mr. Henry Minor Faser. Faser Hall provides facilities second to none, for the instruction, services and research conducted by the School of Pharmacy at the University.

CURRICULUM

The undergraduate program in pharmacy leading to the degree of Bachelor of Science in Pharmacy is designed to prepare general practioners for broad practice, rather than preparing them for a single place of practice within pharmacy.
Admission is affected through the University of Mississippi Admission Office. Admission is administered under the policies recommended by the faculty and approved by the Chancellor and the Board of Trustees. Applications for admission should be submitted to the Director of Admissions and Records of the University.
The School of Pharmacy has final jurisdiction in the selection of its students.
The School of Pharmacy identifies students as being in either the prepharmacy program or professional curriculum of the school.
Address inquiries to: Jack P. Adams, Administrative Assistant to the Dean, The University of Mississippi School of Pharmacy, University, Mississippi 38677 (601) 232-7265.
Full recognition as a degree candidate occurs only upon acceptance into the professional curriculum.

REQUIREMENTS FOR ENTRANCE

1. Prepharmacy - Admission requirements for entering freshmen are based essentially on two factors, scores on standard tests and previous academic performance. An applicant to the freshman class on the University of Mississippi campus will be admitted provided the following requirements are met: (a) The applicant has his high school submit to the University a school record showing at least seven semesters of secondary work. The high school transcript should show that the applicant will have completed fifteen acceptable high school units upon graduation from high school, three of which are in English, two in mathematics, and two in social sciences. (b) The applicant submits an appropriate official American College Test (ACT) score. Applicants will be eligible for consideration for admission if the ACT composite score is 15 or if the Scholastic Aptitude Test (SAT) total score is 680. The SAT results can be used for initial consideration for admission. If SAT scores are used as the basis for admission, the applicant is also to submit an ACT score report prior to registration for classes.
2. Professional Program - Applicants entering into the professional program, including transfer students from junior colleges or other universities, must meet the requirements and guidelines as set by the Acceptance, Readmission and Progression Committee of the School of Pharmacy.

SELECTION FACTORS

1. General admission requirements for the professional program.
    (a) Completion of the prepharmacy program with the exception of Health Care Administration 245 and possibly two other courses which are not prerequisite for first professional year courses.
    (b) A grade point average of at least 2.00 on all collegiate courses attempted.
    (c) Completion of the Pharmacy College Admission Test.
    (d) Submission of application prior to April 1 of the year of which application is made.
    (e) Final acceptance into the professional program by the committee on acceptance, readmission and progression.
2. Applications to the professional program from non-resident students are accepted and will be given every consideration. It should be noted, however, that enrollment in the program is limited by the laboratory and classroom space available. When the number of qualified applicants exceed the facilities available, preference will be given to residents of Mississippi.

UNIVERSITY OF MISSISSIPPI
SCHOOL OF PHARMACY

ADVANCED PLACEMENT TESTS

Superior performance on the College Entrance Examination Board Advance Placement Test will entitle an entering freshman to consideration for advanced placement and/or advanced standing credit.
Advanced placement and credit are awarded in art, biology, chemistry, classics, European history, mathematics, physics, English, French, German, Latin and Spanish to students who participate in the CEEB advancement program and who earn scores of three or higher on the final examinations.
Advanced placement and 6 hours of credit is granted in English, mathematics, history, social science, natural science or humanities if a student earns a score of 500 or more on the College Level Examination Program (CLEP) General Examination in that area.
Placement and credit is awarded in accountancy, algebra, trigonometry, business management, calculus, chemistry, computer science (general business), economics, English, finance, geology, history, marketing, political science, psychology and zoology to students who earn at least 50 on the CLEP subject examination.

FINANCIAL AID

If students have problems in meeting the cost of higher education, the University will make every effort to assist in several ways:
Scholarships - Outright gifts of money awarded to students on the basis of academic achievement, financial need, and leadership qualities.
Grants-in-aid - Outright gifts of money awarded primarily on the basis of financial need.
Awards - Outright gifts of money awarded to students who participate in extra-curricular activity programs of the University.
Loans - Grant of money made with the provision that they be repaid.
Applications for general financial aids should be addressed to the Director of Financial Aids, The University of Mississippi, University, Mississippi 38677. A special booklet on financial aids is available on request from the Office of the Dean of the School of Pharmacy. Inquiries about scholarships and loans specifically for pharmacy students should be directed to the Office of the Dean, The University of Mississippi School of Pharmacy, University, Mississippi 38677.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 Freshman Class

Filing for formal application by applicant.
  Earliest date: September 15, 1978
  Latest date: April 1, 1979
  Application fee: None
Notification of acceptance by school.
  Earliest date: May 1, 1979
  Latest date: July 1, 1979
Class
  Starting date: August 30, 1979
  Ending date: May 9, 1980
  Estimated size of class: 110

1980-81 "Projected" Freshman Class

Filing for formal application by applicant.
  Earliest date: September 15, 1979
  Latest date: April 1, 1980
  Application fee: None
Notification of acceptance by school.
  Earliest date: May 1, 1980
  Latest date: July 1, 1980
Class
  Starting date: August 27, 1980
  Ending date: May 8, 1981
  Estimated size of class: 110

GENERAL COMMENTS ON 1979-80 AND 1980-81 FIRST YEAR CLASSES

Applicant response to acceptance offer.

  Preferred time for response: 2 weeks
  Deadline for response: July 15, 1979; July 15, 1980
Deposit required and refund policy if applicant withdraws acceptance: NA

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

1979-80 Freshman Class

Tuition and Fees	
Resident:	$ 800.00
Non-resident:	1600.00
Room and Board (minimum):	1200.00
Books and Supplies:	200.00
Lab Fees:	None
Other Required Expenses:	None

1980-81 "Projected" Freshman Class

Tuition and Fees	
Resident:	$ 800.00
Non-resident:	1600.00
Room and Board (minimum):	1200.00
Books and Supplies:	200.00
Lab Fees:	None
Other Required Expenses:	None

INFORMATION ON 1978-79 FIRST YEAR CLASS

Number of Students	Instate	Out of State, U.S.	Foreign	Male	Female	Total
110	101	8	1	60	50	110

ST. LOUIS COLLEGE OF PHARMACY
0-5 Program Type

GENERAL INFORMATION

The St. Louis College of Pharmacy is an independent, non-denominational, coeducational institution. The College admits students of any race, color, and national or ethnic origin. The St. Louis College of Pharmacy is dedicated to the goal of providing a liberal and professional education that will enable the individual to make an effective contribution to society. The College building is located in the medical and hospital center of the city, one block from Forest Park and one-half block from the Barnes Hospital-Washington University.

The move to initiate a college of pharmacy in the city of St. Louis was undertaken by the St. Louis Pharmaceutical Association in 1860. The College had its formal opening on January 31, 1865 in the Acad. of Science building. The College has been located in five different buildings as the need for larger and better facilities made such moves necessary. The present five-story College building was constructed in 1927. Since 1962 a total of over $1,000,000 has been spent in modernizing classrooms, laboratories and library. These facilities are among the most modern to be found in any educational institution in the nation. A modern residence hall for men and women was completed in 1965 with accomodations for 132 students. Immediately adjacent to the College and residence hall are the College-owned paved and lighted parking lots. The most recent addition to the physical facilities of the College is the Student Center Building. This facility was dedicated March 31, 1974 and provides a gymnasium, showers and locker rooms, classrooms, and offices for the various student organizations. Another area of the building provides office space for various members of the staff and faculty. The St. Louis College of Pharmacy is accredited by the American Council on Pharmaceutical Education and the North Central Association of Colleges and Secondary Schools.

CURRICULUM

The College offers a five-year course leading to the degree of Bachelor of Science in Pharmacy. This degree program represents the educational requirement for licensure as a pharmacist and for the practice of pharmacy in the various fields. The curriculum consists of a basic core of subjects in the areas of liberal arts, biological sciences, physical sciences and pharmacy. The core curriculum has been designed to prepare the student for practice in a wide variety of career fields. The core includes a one semester externship/clerkship program during the final year of study. In addition to the core work students are required to complete a certain number of elective courses. A variety of electives are made available so as to provide for a greater depth of knowledge in a given area and/or to allow for some degree of specialization for the student with a particular career goal.
Students must have a grade average of C or better in all courses attempted before being admitted into the third year of work. Candidates for a degree must be of good character, must satisfactorily complete all of the required courses and have earned a total number of grade points at least twice the total number of credits he has attempted.
Admissions counselors are available for personal conferences with prospective students and a tour of the College is possible by appointment.
Address inquiries to:

The Director of Admissions
St. Louis College of Pharmacy
4588 Parkview Place
St. Louis, Missouri 63110

REQUIREMENTS FOR ENTRANCE

High School Students:
1. Students still in high school may apply after the conclusion of their junior year provided that admission is requested for the fall term following graduation.
2. Such students may be accepted on a conditional basis and prior to actual enrollment must present evidence of the satisfactory completion of a four-year course of sixteen units in, and graduation from a high school approved by a recognized accrediting agency.
3. The transcript of the high school record, including class standing in scholarship, must be submitted by all students. Said transcript shall be sent by the high school directly to the Registrar.
4. It is desirable, but not essential, that the high school course include:

Mathematics	2 units
English	4 units
Biology	1 unit
Chemistry	1 unit
Physics	1 unit

A minimum of at least two of the last three subjects are strongly recommended in addition to English and mathematics. The additional units may be in the same subjects or in others for which credit for graduation is allowed by the secondary school.
5. Each new student must submit a health record regarding his general health. The health forms are supplied by the College and are to be completed by the student and examining physician.
6. The College requires the ACT test be completed by the high school student.

Admission with Advanced Standing:
1. Students with advanced standing may apply for admission into the first, second or third years. Due to a limited number of openings in the third year, applicants are urged to strongly consider enrollment in the first or second year classes.
2. Admission to the third year is limited to students who have completed at least forty-eight semester hours of the first two years' program with a grade average of C in all of these courses attempted. No transfer credit will be issued for courses in which a grade of D has been earned.
3. An applicant for admission with advanced standing must present all transcripts of his high school and college records, with a satisfactory scholastic record and a certificate of honorable dismissal from the college from which he is transferring. Only courses in which the student has attained a C grade or better may be transferred.
4. Applicants with past military service must submit

a copy of their separation form.

SELECTION FACTORS

Admission to St. Louis College of Pharmacy is selective. In order to qualify for admission an applicant must present scholastic and personal records indicating good preparation and ability to undertake a college degree program. Factors considered by the admissions committee include grade averages, class rank, ACT scores, motivation, maturity, etc. The College requires that the applicant with advanced standing take the Pharmacy College Admission Test.

ADVANCED PLACEMENT

The College grants advanced standing in the form of credit hours to entering students who, on the basis of performance on the Advanced Placement Tests or the College Level Subject Examinations of the College Entrance Examination Board, demonstrate proficiency in English, literature, mathematics and chemistry.

FINANCIAL AID

The College will make every effort to assist students who have problems in meeting the costs of their education. Financial assistance is available in several forms, including:

Scholarships - Outright awards of money are made on the final basis of scholarship, character, aptitude and financial need. Among others, thirty $500 scholarships are available each year to incoming freshmen.

Grants - Available to students with exceptional need are available with no requirement for repayment.

Loans - Students with need may secure loans at a low rate of interest with repayment not due until after the student graduates or leaves college.

Employment - Many students earn part of their expenses through College or outside employment.

Information on any of the above is available through the College Financial Aids Office.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 Freshman Class

- Filing of formal application by applicant
  - Earliest date: June 15, 1978
  - Latest date: August 1, 1979
  - Matriculation fee: $10.00
- Notification of acceptance by school
  - Earliest date: Rolling
  - Latest date: August 15, 1979
  - Usual time from receipt of complete application to acceptance notice: Varies
- Class of 1979-1980
  - Starting date: August 27, 1979
  - Ending date: May 7, 1980
  - Estimated size of class: 145

1980-81 "Projected" Freshman Class

- Filing of formal application by applicant
  - Earliest date: June 15, 1979
  - Latest date: August 1, 1980
  - Matriculation fee: $10.00
- Notification of acceptance by school
  - Earliest date: Rolling
  - Latest date: August 15, 1980
  - Usual time from receipt of complete application to acceptance notice: Varies
- Class of 1980-1981
  - Starting date: August 26, 1980
  - Ending Date: May 9, 1981
  - Estimated size of class: 145

GENERAL COMMENTS ON 1979-80 AND 1980-81 FIRST YEAR CLASSES

- Applicant response to acceptance offer
  - Preferred time for response: 10 days
  - Deposit fee to hold place in class (applies on tuition): $100.00, due with affirmative response (Tuition deposit is not refundable)
  - Application for residency in the dormitory must be filed by Aug. 1, accompanied by deposit of $125.00

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

1979-80 Freshman Class

- Tuition and Fees
  - First year class: $1700
  - Second year class: $2350
  - Last three years: $2450
- Room and Board: $1600
- Books and Supplies: $175
- Student Activities fee: $34

1980-81 "Projected" Freshman Class

- Tuition and Fees
  - First year class: $2050
  - Second year class: $2700
  - Last three years: $2800
- Room and Board: $1600
- Books and Supplies: $200
- Student Activities fee: $34

ESTIMATED INFORMATION ON 1978-79 FIRST YEAR CLASS

	Missouri-Illinois	Other States, U.S.	Foreign	Total
No. of Students	143	2	1	146

UNIVERSITY OF MISSOURI-KANSAS CITY
SCHOOL OF PHARMACY
1-4 Program Type, accelerated to 1-3

GENERAL INFORMATION

Originally organized in 1885, the School was reorganized and reincorporated in 1898 as the Kansas City College of Pharmacy and Natural Science. It became the third professional school of the University of Kansas City in 1943, and when the University of Kansas City became part of the University of Missouri system in 1963, the School of Pharmacy became the only state-supported pharmacy school in Missouri. Its present facility, the Isaac and Michael Katz Memorial Pharmacy Building, was dedicated in 1965.

The University of Missouri is one university with four campuses: at Columbia, Rolla, Kansas City and St. Louis. In addition to the School of Pharmacy, the health science programs at the University of Missouri-Kansas City include the School of Medicine, the School of Dentistry, and the Graduate Nursing Program.

The UMKC School of Pharmacy offers programs leading to the Bachelor of Science in Pharmacy degree, the advanced undergraduate professional Doctor of Pharmacy degree, and the graduate degrees of Master of Science and Doctor of Philosophy in the pharmaceutical sciences.

Although the School of Pharmacy's main facility is on the Volker Campus, in recent years the facilities have expanded to include the Hospital and Clinical Programs Office, the Biopharmacometrics Laboratory, and the Drug Information Center in the Health Sciences complex on the "Hospital Hill" campus. Affiliations are maintained with several area hospitals and pharmacies for acquainting students with hospital and clinical pharmacy and contemporary community pharmacy practice.

CURRICULUM

The professional curriculum encompasses a continual program of study and results in completion of the equivalent of four traditional academic years of study in three calendar years. The 1st Professional Year is on the traditional two-semester system and includes general elective courses in the College of Arts and Sciences, as well as introductory pharmacy courses. Commencing with the 2nd Professional Year, students enter a year-round quarter curriculum for 8 consecutive quarters and, with normal progress, will graduate in August of their third calendar year in the professional program.

Coursework in the first two years of the professional curriculum lays the necessary foundation in the basic pharmaceutical sciences and prepares the student for the clinical experiential learning courses in ambulatory care, community practice, and acute care settings occurring in the third year. Professional electives in areas of the student's interest are also selected during Quarter VII. The final eight weeks of the curriculum are devoted to a structured externship program, off-campus, in a community or hospital pharmacy.

All of the experiential learning courses are conducted in actual practice settings; e.g., community pharmacies, area hospitals, nursing homes, etc., under the supervision of a practitioner-instructor or docent clinical pharmacist who serves as an exemplary role model in his/her particular type of pharmacy practice.

The School is in the process of developing a competency-based curriculum.

REQUIREMENTS FOR ENTRANCE

Students are admitted to the School of Pharmacy only in the fall of each year. A minimum of 30 semester or 45 quarter hours of college work, including the specified pre-professional requirements listed below must be completed prior to admission to the professional pharmacy program. These may be obtained at any accredited institution or in the College of Arts and Sciences at the University of Missouri-Kansas City.

Pre-Pharmacy Curriculum Requirements:

	Sem.Hrs.
English Composition	3
Mathematics (including alg.,trig., or other advanced math)	5-8
General Chemistry (incl. qual.chem.)	8-10
Electives in Humanities and Social Sciences	9-14

A course in calculus is recommended, but is not a requirement for entrance. General CLEP credits may not be used to fulfill the mathematics or chemistry requirements. Pre-pharmacy coursework must total a minimum of 30 semester hours.

In addition to completing the pre-pharmacy curriculum requirements, applicants must:

1) Have a minimum of a C (2.0) cumulative grade point average on college-level work completed.
2) Take the Pharmacy College Admission Test (PCAT) prior to March 1. Scores must be sent to the School by the official testing agency by April 1.
3) Complete a structured interview at the School.
4) Have 3 official recommendation forms submitted to the School of Pharmacy Admissions Committee.

Applications must be received by March 1. Applications received after this deadline, or applicants who fail to complete all four steps outlined above will not be considered for admission.

For application forms and additional information regarding admission, contact:

Office of Admissions
Scofield Hall
University of Missouri-Kansas City
Kansas City, Missouri 64110
Telephone: (816) 276-1111

SELECTION FACTORS

The student selection process is based on a multivariant formula. Some factors considered are: scholastic achievement; non-academic distinction; complexity of previous college work; personal structured interviews; recommendation forms; and results of the Pharmacy College Admissions Test (PCAT), which is required of all applicants.

UNIVERSITY OF MISSOURI-KANSAS CITY
SCHOOL OF PHARMACY

Due to the constraints of physical facilities and faculty resources, the School of Pharmacy must limit the number of students in each class. Applicants should be aware that admission is competitive, and applying for admission does not guarantee a place in the entering class. As a state-supported institution the UMKC School of Pharmacy must give qualified Missouri residents first consideration.

ADVANCED PLACEMENT TESTS

The normal point of entry is the 1st Professional Year. In exceptional cases only, space permitting, a student with the necessary pharmacy background may be considered for admittance with advanced standing beyond the 1st Professional Year level. A comprehensive examination may be required to determine placement and deficiencies. In any event, a minimum of four quarters must be spent in resident study.

FINANCIAL AID

The University helps to provide financial assistance to students who, without such assistance, would be unable to attend. Both the student and his/her family are expected to contribute to college expenses as they are able. The types of financial assistance available are:
1) Scholarships and grants.
2) Loans.
3) Part-time employment.

Information and application forms may be obtained from:
Student Financial Aid Office
University of Missouri-Kansas City
5306 Holmes
Kansas City, Missouri 64110
Telephone: (816) 276-1154

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 First Professional Year Class

Filing for formal application by applicant.
Earliest date: December 1, 1978
Latest date: March 1, 1979

Notification of acceptance by school.
Earliest date: May 15, 1979
Latest date: June 1, 1979

Class
Starting date: August 27, 1979
Ending date: May 16, 1980
Estimated size of class: 80

1980-81 First Professional Year Class

Filing for formal application by applicant.
Earliest date: December 1, 1979
Latest date: March 1, 1980

Notification of acceptance by school.
Earliest date: May 15, 1980
Latest date: June 1, 1980

Class
Starting date: August 25, 1980 (approximate)
Ending date: May 15, 1981 (approximate)
Estimated size of class: 80

GENERAL COMMENTS ON 1979-80 AND 1980-81 FIRST YEAR CLASSES

Applicant response to acceptance offer.
Preferred time for response: Those students approved for admission will be required to confirm their place in the class within 10 days.
Deposit fee required to hold place in class:
$100 advance deposit required within 10 days of notification of acceptance. Deposit applies to the first incidental fee, and is not refundable.

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

1979-80 First Year Class

Tuition and Fees
Resident: $760
Non-resident: $2,116
Room and Board (minimum): $1,400
Books and Supplies: $200
Lab breakage deposit: $15

1980-81 First Year Class

Tuition and Fees
Resident: $760
Non-resident: $2,116
Room and Board (minimum): $1,400
Books and Supplies: $200
Lab breakage deposit: $15

(Note: All fees and expenses subject to change without notice.)

INFORMATION ON 1978-79 FIRST YEAR CLASS

	Instate	Out of State, U.S.	Foreign	Male	Female	Total
Number of Students:	77	3	0	43	37	80

SCHOOL OF PHARMACY
UNIVERSITY OF MONTANA
2-3 PROGRAM TYPE

GENERAL INFORMATION

The University of Montana School of Pharmacy, which is a member of the American Association of Colleges of Pharmacy and is accredited by the American Council on Pharmaceutical Education, is located in the city of Missoula, a community of approximately 50,000 persons.

The School of Pharmacy is the only health profession school located on the Missoula campus. Strong support programs are offered by the physical, biological and behavioral sciences and the clinical facilities available in the city are excellent. In addition, the relatively small size of the School of Pharmacy offers the student an opportunity to develop and maintain closer relationships with the faculty members and with fellow students. Also, students at the University of Montana enjoy ease of access to numerous outdoor recreational opportunities.

CURRICULUM

The curriculum offered by the School of Pharmacy consists of a five year program leading to the degree of Bachelor of Science in Pharmacy. The first two years, or pre-professional portion of the curriculum emphasizes studies of the basic physical, biological and behavioral sciences and in other course work necessary to satisfy the general University requirements. Specific course requirements are available from the Office of the Dean.

During the final three years, the student's time is devoted to the study of the several pharmaceutical sciences. Areas of additional study include pharmaceutics, pharmaceutical chemistry, pharmacognosy, pharmacology, pharmacy administration and clinical pharmacy. The professional curriculum must be taken in residence at the University of Montana School of Pharmacy. However, students in good academic standing transferring from other accredited schools of pharmacy may be admitted to an advanced standing determined on the basis of credits presented.

Upper class students may choose approved elective courses designed to prepare them specifically for community pharmacy, sales and management, research and teaching or for hospital and institutional pharmacy.

Admission to the University is effected through the Office of Admissions and Records, The Lodge, University of Montana, Missoula, Montana 59812. However, the School of Pharmacy has final jurisdiction in the selection of its students. Address inquiries to:

Office of the Dean
School of Pharmacy
University of Montana
Missoula, Montana 59812
(406) 243-4621

REQUIREMENTS FOR ENTRANCE

Pre-pharmacy curriculum

1. Graduates of any fully accredited high school who are residents of Montana are eligible for admission.
2. Non-resident applicants must be in the upper half of their high school graduating class to be considered for admission.

Professional curriculum

1. The applicant must meet the general requirements for admission to the University.
2. The applicant must have completed two years of satisfactory college work as prescribed in the pre-pharmacy curriculum. This work may be transferred from accredited colleges. Applicants presenting two years of satisfactory college work may be admitted subject to the removal of any deficiencies.
3. Each applicant for admission to the professional curriculum must have a cumulative grade point index of 2.30 (on a 4.00 scale) at the time of application for admission to the first professional year.
4. Autumn quarter is the normal time for admission to the School of Pharmacy.

Application forms for admission to the professional curriculum may be obtained from the Office of the Dean and must be submitted for consideration by the faculty prior to the stated deadline date.

Complete credentials for admission to the University must be on file in the Office of Admissions and Records by September 1 of each year for admission to the autumn quarter, and one month prior to the first day of registration for the winter and spring quarters. Transfer applicants should apply for admission during their last term at another institution, but no earlier than six months prior to their anticipated entrance into the University of Montana.

SELECTION FACTORS

Entrance into the professional curriculum is selective and enrollment is limited. Selection is based primarily on academic achievement and the appropriateness of the pre-pharmacy coursework submitted.

ADVANCED PLACEMENT TESTS

Advanced placement may be granted based on achievement in college level high school courses, provided the University has received satisfactory scores on the College Entrance Examination Board, Advanced Placement Examinations, from that Board. Credit for specific examinations is granted subject to the approval of the academic department at the University which offers the course.

UNIVERSITY OF MONTANA
SCHOOL OF PHARMACY

FINANCIAL AID

If students have problems in meeting the costs of higher education, the University will make every effort to assist in several ways:
Scholarships - gifts of money awarded to students on the basis of academic achievement, financial need and leadership qualities.
Grants-in-aid - gifts of money based upon financial need.
Loans - grants of money which must be repaid to the granting institution.
Work-study program - part time work for which the student is paid.

Information concerning the Financial Aids programs is available on request.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 First Professional Year Class

Filing of formal application by applicant
- Earliest date: Not limited
- Latest date: May 15, 1979
- Application fee: $20.00

Notification of acceptance by school
- Earliest date: July 2, 1979
- Latest date: August 15, 1979
- Usual time from receipt of complete application to acceptance notice: Varies

Other information on 1979-80 first professional year class
- Starting date: September 17, 1979
- Ending date: June 6, 1980
- Estimated size of class: 50

1980-81 First Professional Year Class

Filing of formal application by applicant
- Earliest date: Not limited
- Latest date: May 15, 1980
- Application fee: $20.00

Notification of acceptance by school
- Earliest date: July 1, 1980
- Latest date: August 15, 1980
- Usual time from receipt of complete application to acceptance notice: Varies

Other information on 1980-81 first professional year class
- Starting date: September 22, 1980
- Ending date: June 12, 1981
- Estimated size of class: 50

GENERAL COMMENTS ON 1979-80 and 1980-81 FIRST YEAR CLASSES

Applicant response to acceptance offer
- Preferred time for response: within two weeks
- Deposit fee to hold place in class (applies on fees): $100 due with professional pharmacy application.
- Deadline for cancellation of acceptance (Deposit refundable prior to this date): Application fee of $20.00 is not refundable.

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

1979-80 First Professional Year Class

Tuition and Fees
- Resident: $625.50
- Non-resident: $1993.50

Room and Board (minimum): $1513
Books and Supplies: estimated at $350
Lab Fees: None in pharmacy

1980-81 "Projected" First Professional Year Class

Tuition and Fees
- Resident: $625.50
- Non-resident: $1993.50

Room and Board (minimum): $1513
Books and Supplies: estimated at $375
Lab Fees: None in pharmacy

ESTIMATED INFORMATION ON 1979-80 FIRST YEAR CLASS

Number of students	Instate	Out-of-State, U.S.	Foreign	Male	Female	Total
50	40	10	0	25	25	50

CREIGHTON UNIVERSITY
SCHOOL OF PHARMACY
2-3 PROGRAM
2-2 ACCELERATED
2-3-1 DOCTOR OF PHARMACY

GENERAL INFORMATION

Creighton University is by far the most diverse educational institution of its size in the nation. The combination of relatively small size and unusual diversity is the key to appreciation of Creighton University's excellence. With an enrollment of approximately 4,800 persons taught by a faculty of more than 700, Creighton has set as its goal the conduct of higher education in the context of Christian living. Creighton's campus is located on the northwest edge of downtown Omaha, Nebraska. The University is set on a planned campus of more than 65 acres that is near, yet apart from, the city's urban center.

A member of the American Association of Colleges of Pharmacy and accredited by the American Council on Pharmaceutical Education, the Creighton University School of Pharmacy provides a health-team-educational setting along with the schools of medicine, nursing, and dentistry on campus. Efforts are being directed by the Vice-President for Health Sciences at merging wherever possible the educational background and skills of the future health care professionals.

Under a three-year professional training program leading to a B.S. Pha. degree, and a Pharm.D. program added in Fall, 1975, the School of Pharmacy strives to give its students a broad education in preclinical and clinical disciplines that will serve as a basis for meeting the present and future demands of the profession of pharmacy in all of its branches.

The School of Pharmacy has moved into newly constructed facilities in the Criss III unit of the Criss Institute for Health, where the developing program of competency-based professional education includes clinical pharmacy practice and research.

CURRICULUM

The Creighton University School of Pharmacy curriculum is intended to meet the professional moral, economic, and social responsibilities of the profession, while also providing the background to stimulate interest in graduate studies and continuing education.

The health team approach to professional training and practice is a keynote in curriculum discussion and change. The overall objective of the program is to enhance the development of professional practice competence in each pharmacy student.

An outline of the School of Pharmacy curriculum leading to a Bachelor of Science of Pharmacy degree is presented below. The first professional year includes those background courses required as a basis for the second and third years of the program. Human anatomy, physiology, pathology and microbiology are taught by faculty from the School of Medicine at Creighton University. The second professional year includes a three week outpatient clinic professional practice experience as well as 30 semester hours of the Disease State and Therapeutic Modules. These Disease State Modules were developed to allow the student to integrate and develop an adequate data base in anatomy, physiology, pathophysiology, therapeutics, pharmacology, pharmaceutics, pharmacokinetics and medicinal chemistry. The student, now adequately prepared can proceed into the third professional year where they enroll in 16 semester hours of professional practice rotations. The professional practice experiences of the curriculum amount to 760 hours divided into 320 hours of clinical clerkship rotations, 320 hours of outpatient clinic experience. In addition to the professional practice experiences a student may enroll in numerous elective courses to enhance that area of pharmacy practice in which they have greatest interest.

SCHOOL OF PHARMACY CURRICULUM (B.S. PHA.)

FIRST PROFESSIONAL YEAR	Sem. Hrs.
Pharmaceutical Jurisprudence	3
Human Anatomy and Physiology	5
Pharmacy Calculations	1
Pharmaceutics I	3
Biochemistry	4
Pharmaceutics II	3
Pathology	2
Pharmacology	4
Medicinal Chemistry	3
Microbiology	4

SECOND PROFESSIONAL YEAR

Outpatient Clinic Practice	2
Disease State Modules I-II + Exams*	15
Disease State Modules III-IV + Exams*	15

THIRD PROFESSIONAL YEAR

Clinical Clerkship Rotations	8
Externship Rotations	8
Electives:	
Advanced Pharmacology	3
Pharmacist in the Health Care System	3
Toxicology	3
Management Systems	4
Directed Clinical Studies	4
OTC Products	3

*Self-paced, individualized unit courses in disease states and related therapeutics, involving the integration of anatomy, physiology, pathophysiology, therapeutics, pharmacology, pharmaceutics, pharmacokinetics and medicinal chemistry.

DOCTOR OF PHARMACY PROGRAM

The goal of Doctor of Pharmacy program at Creighton University is a development of confident and innovative clinical pharmacists. A limited number of applicants are admitted July and January of each year to a 52 week intensified clinical training program. A Bachelor of Science degree in Pharmacy is required as well as personal interview. Applications can be obtained by writing the Director of Clinical Studies, Creighton University, School of Pharmacy.

REQUIREMENTS FOR ADMISSION

In order to qualify for admission, applicants must have successfully completed the following requirements,

1) Graduation from accredited high school
2) 60 Semester hours of college

		Sem. Hrs.
Biology	(two semesters with lab)	8
Inorganic Chemistry	(two semesters with lab)	8
Organic Chemistry	(two semesters with lab)	8
Physics	(comprehensive coverage)	4-8
College Algebra-Trig	(preferably calculus)	4
		32-36
Electives		28-24
		60

(Electives preferred in areas which broaden the applicant's education and touch on areas dealing with English, sociology, psychology, philosophy, theology, history).

3) Obtained an overall grade average of 2.25 and a 2.50 (C+) in the pre-pharmacy basic sciences. Those falling short may be considered for admission, however; a personal interview will be required to determine areas of strength or needed improvement.
4) Pharmacy College Admission Test scores are required. A personal interview, may be required. Students should direct inquiries to: Dean, School of Pharmacy, Creighton University, Omaha, Nebraska 68178

SELECTION FACTORS

Each applicant is evaluated on the basis of their cumulative GPA in university level courses. The PCAT scores are reviewed along with letters of recommendations and possible interview to determine an applicant's eligibility for acceptance.

Applicants may be accepted on a conditional basis if they apply during the time they are completing final prerequisite courses.

ADVANCED PLACEMENT TESTS

Students desiring to transfer from a ACPE accredited school of pharmacy should send transcripts of their completed materials to the Dean of the College. Applicants for admission to advanced standing must also present a letter of honorable dismissal from the Dean of the school they have previously attended together with the statement that they are eligible to return to that school and his designation of the class to which it is permissible for them to return.

FINANCIAL AID

Financial aid is available to students primarily through federally insured loans. Every effort is made to assist students in financial distress. Students interested in assistance should send inquiries to Financial Aid Office, Brandeis Bldg., Creighton University, Omaha, NE 68178

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 Freshman Class

Filing for formal application by applicant
Earliest Date: September 1, 1978
Latest Date: June 1, 1979
Application Fee: $20.00
Notification of acceptance by School
Earliest Date: September 2, 1978
Latest Date: July 15, 1979
Usual time from receipt of complete application to acceptance notice; two weeks (if PCAT scores available).
Class
Starting Date: August 27, 1979
Ending Date: May 16, 1980
Estimated size of class: 72

1980-81 "Projected" Freshman Class

Filing for formal application by applicant
Earliest Date: September 1, 1980
Latest Date: June 1, 1981
Application Fee: $20.00
Notification of acceptance by School
Earliest Date: September 2, 1980
Latest Date: July 15, 1981
Usual time from receipt of complete application to acceptance notice; two weeks (if PCAT scores available).
Class
Starting Date: August 25, 1980
Ending Date: May 15, 1981
Estimated size of class: 72

GENERAL COMMENTS OF 1979-80 AND 1980-81 FIRST YEAR CLASSES

Applicant response to acceptance offer. Deadline for response: August 1st.
Preferred time for response: two weeks.
Deposit fee to hold place in class (fee applies on tuition): $150.00 due two weeks after applicant receives notice of acceptance. $75.00 will be returned if applicant withdraws in writing prior to June 1. There will be no deposit refunds after June 1.

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

1979-80 Freshman Class

Tuition and Fees
Resident: $2,860
Non-resident: $2,860
Room and Board (minimum): $1,450
Books and Supplies: $ 200

1980-81 "Projected" Freshman Class

Tuition and Fees
Resident: $3,000
Non-resident: $3,000
Room and Board (minimum): $1,500
Books and Supplies: $ 200

INFORMATION ON 1978-79 FIRST YEAR CLASS

Number of Students	Instate	Out of State, U.S.	Foreign	Male	Female	Total
74	11	63	5	51	23	74

UNIVERSITY OF NEBRASKA
COLLEGE OF PHARMACY
2-3 Program Type

GENERAL INFORMATION

The College of Pharmacy is accredited by the American Council on Pharmaceutical Education and holds membership in the American Association of Colleges of Pharmacy.

In September 1976 the College of Pharmacy completed its move from the liberal arts campus in Lincoln to the Medical Center campus in Omaha. The College occupies a new building which was completed in September 1976.

The University of Nebraska College of Pharmacy is the third college in the country and the first in more than twenty years to award the Doctor of Pharmacy (Pharm.D.) degree to all students who complete the requirements for graduation. Classes are conducted throughout the year, except for the month of June and week-long breaks between some of the quarters.

CURRICULUM

The first year students receive instruction in anatomy, biochemistry, biology of disease, microbiology, physiology, pharmaceutics, communication skills and introductions to various areas of professional practice.

During the second year students take courses in pharmacology and therapeutics, medicinal chemistry, chemotherapy, immunotherapy, and biopharmaceutics. Professional practice courses taught in this year include jurisprudence, drug literature evaluation, clinical biochemistry, non-prescription products and toxicology. Practical experience is provided in drug information and community pharmacy clerkships. A number of pharmacy-related electives are available each quarter.

The last year consists primarily of clerkships, with didactic courses limited to six hours of elective courses each quarter. Students spend the entire day in clerkships except for the meetings of the elective courses. Twenty-four weeks are devoted to required clerkships in family practice, internal medicine, pediatrics, psychiatry, and community practice. Another twelve weeks are spent in elective clerkships, which include radiopharmacy, industrial pharmacy, institutional practice, rural pharmacy, extended care facilities, and advanced training in any of the required clerkship areas.

Quarters are twelve weeks in length, except for the Spring quarter which is eight weeks in length. Students take a proportionately lighter load in the Spring quarter. One hundred eighty quarter hours are required for graduation.

Classes begin the first week in July, with applications for admission due the preceding January 1.

Questions pertaining to the curriculum should be addressed to:

L. Kirk Benedict, Assoc. Dean
College of Pharmacy
University of Nebraska Medical Center
42nd & Dewey Avenue
Omaha, Nebraska 68105

REQUIREMENTS FOR ADMISSION

Minimum requirements for admission to the University of Nebraska College of Pharmacy are:

1. Completion of the required pre-pharmacy courses.

English Composition	6 semester hrs.
General Chemistry	8-10 semester hrs.
Algebra & Trigonometry	4 semester hrs.
General Biology or equiv.	8 semester hrs.
Organic Chemistry	8 semester hrs.
Physics	8 semester hrs.

2. Completion of a minimum of 60 semester hours or its equivalent in an accredited liberal arts college.
3. An overall average of "C" in university level courses (cumulative grade point average of 2.0; A = 4.0).
4. PCAT examination.

SELECTION FACTORS

Each applicant is evaluated with regard to the following characteristics:

1. Completion of required pre-pharmacy courses.
2. Academic performance in college-level programs.
3. Residence in Nebraska or other indication that the applicant is likely to practice in the geographic area served by the College.
4. Motivation for study in pharmacy.
5. Ability to communicate and express ideas.
6. Maturity, as reflected in ability to make sound judgements.
7. Personality, insofar as it would affect the applicant's ability to work effectively with patients and other health professionals.

ADVANCED PLACEMENT

Advanced placement is restricted to Nebraska residents who already have a B.S. in Pharmacy degree. Space is limited to that which results from attrition in the regular classes in order to maintain a good ratio of preceptor to students, and to assure the availability of an adequate number of clerkship sites.

Transfer from other colleges of pharmacy is not usually feasible, but students who desire to transfer will be considered on an individual basis.

Questions in regard to advanced placement should be directed to Dr. L. Kirk Benedict at the above address.

FINANCIAL AIDS

Scholarship and financial aid applications will be mailed to all applicants accepted for admission.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 Freshman Class

Filing for formal application by applicant.
Earliest date: now
Latest date: January 1, 1979
Application fee: Res.-$10.00
Non-res.-$25.00
Notification of acceptance by school.
Earliest date: February 15, 1979
Latest date: April 1, 1979
Class
Starting date: July 9, 1979
Ending date: May 1982
Estimated size of class: 75

1980-81 "Projected" Freshman Class

Filing for formal application by applicant.
Earliest date: August 1979
Latest date: January 1, 1980
Application fee: Res.-$10.00
Non-res.-$25.00
Notification of acceptance by school.
Earliest date: February 15, 1980
Latest date: April 1, 1980
Class
Starting date: July 7, 1980
Ending date: May 1983
Estimated size of class: 75

GENERAL COMMENTS ON 1979-80 AND 1980-81 FIRST YEAR CLASSES

Applicant response to acceptance offer.
Preferred time for response: immediate.
Deadline for response: specified in letter of acceptance.
Deposit required and refund policy if applicant withdraws acceptance: $50.00 deposit applied to tuition, $40.00 refunded if withdrawal by deadline specified in letter of acceptance.

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

1979-80 Freshman Class

Tuition and Fees
Resident: $1124 (est)
Non-resident: $2640 (est)
Room and Board (minimum): $2800 (est)
Books and Supplies: $300 (est)
Lab Fees: none
Other Required Expenses: none

1980-81 "Projected" Freshman Class

Tuition and Fees
Resident: $1180 (est)
Non-resident: $2770 (est)
Room and Board (minimum): $2900 (est)
Books and Supplies: $350 (est)
Lab Fees: none
Other Required Expenses: none

INFORMATION ON 1978-79 FIRST YEAR CLASS

Number of Students	Instate	Out of State, U.S.	Foreign	Male	Female	Total
76	64	12	2	37	39	76

RUTGERS UNIVERSITY
THE STATE UNIVERSITY OF NEW JERSEY
COLLEGE OF PHARMACY
0-5 Program Type

GENERAL INFORMATION

The College of Pharmacy is one of the academic units which form the State University of New Jersey. The College was founded in 1892 by a group of men dedicated to the interest of pharmacy and was incorporated into the University in 1927. Initially housed at several locations in downtown Newark, the College moved into a new building at One Lincoln Avenue in North Newark in 1925. In the fall of 1971 the College occupied a new building on the Busch Campus in Piscataway Township adjacent to the Medical School and Library of Science and Medicine and near other buildings housing the basic sciences. With this move the College became a campus resident institution providing students with dormitories and all of the cultural and extracurricular activities in campus living.

Rutgers University has major campuses in Camden, Newark, and the New Brunswick area. Pharmacy students may complete the first two years of the curriculum at either of these campuses provided they have been admitted by and maintain their registration in the College of Pharmacy. The last three years of the curriculum are offered only in New Brunswick where all undergraduate professional students are affiliated with one of the multipurpose colleges--Douglass, Rutgers, or Livingston Colleges. These colleges provide liberal arts and sciences courses and living accommodations and other student life services.

CURRICULUM

The five-year undergraduate curriculum leading to the degree of Bachelor of Science has several related objectives. A prime objective is to prepare men and women for practicing the profession of pharmacy in the community, hospital, or industry by developing in them the high level of theoretical comprehension and technical skill required for competence in all these varied areas.

An additional objective is to develop an understanding of the basic sciences sufficient to prepare the student to undertake graduate study in the pharmaceutical sciences, should he desire to do so.

Finally, inasmuch as the pharmacist functions in a social setting, the curriculum seeks to develop a sensitivity to the socioeconomic and legal aspects of professional life and an appreciation of the artistic and cultural currents of modern civilization.

These objectives are attained by a balanced program of study in pharmacy, pharmacy administration, pharmaceutical chemistry, pharmacognosy, and pharmacology as well as the natural and social sciences and the humanities. Clinical experience is provided in one of several teaching hospitals used by the College.

Students ordinarily enter the College of Pharmacy as freshmen upon graduation of high school. However, a limited number of students may be admitted into the second or third year provided they have satisfactorily completed the requisite courses and space and faculty resources are available in the College. In all cases, transfer students from colleges and junior colleges must complete the last three years at Rutgers College of Pharmacy.

Information about admission to the University may be obtained from the Director of Undergraduate Admissions, Rutgers University, Administrative Services Building, Busch Campus, New Brunswick, New Jersey 08903. Admission counselors are available to aid the prospective student either in the Admissions Office or the Office of the Dean of the College of Pharmacy.

REQUIREMENTS FOR ENTRANCE

1. Students still in high school may apply after the beginning of their senior year but no later than February 1. 2. Students with previous college work must apply before March 15. All time since graduation from secondary school must be accounted for in the application. A statement of honorable dismissal or attendance in good standing from the Registrar or Dean of the previous college attended is required. 3. Sixteen units of high school work are required for admission. The following units are required: 4 units of college preparatory English, 3 units of college preparatory Mathematics, 2 units of one foreign language, 7 units in other college preparatory subjects including sciences.

SELECTION FACTORS

The College of Pharmacy tries to select a student body representing the greatest possible depth of personal experience and background. Admission is highly competitive for both freshmen and transfer students and applicants should realize that not all qualified students can be admitted. In an attempt to help qualified students from economically disadvantaged backgrounds and minority groups who have often been deprived of many of the benefits of higher education, Rutgers is continually increasing its efforts to identify such students and encourage them to apply.

Students whose high school grades and rank are not superior should not anticipate admission to Rutgers. Such students may qualify for transfer admission after completing the first or second year's work at other accredited collegiate institutions if their work is superior.

High school class rank (and grades in college work for transfer students) are the principal criteria for admission together with Scholastic Aptitude Test scores.

ADVANCED PLACEMENT TESTS

Candidates for admission who have completed advanced-standing courses in secondary school are urged to take the College Board Advanced Placement Examinations. The Educational Testing Service, which gives the examinations, should be asked to forward test papers to the Director of Undergraduate Admissions. These will be reviewed by the departments concerned and the student will be given advanced placement and/or course and degree credit in those subjects in which (s)he demonstrates superior ability.

Normally not more than 6 degree credits in elective courses can be earned through CLEP subject examinations. Credit is not given for courses involving laboratories.

FINANCIAL AID

Financial Aid is awarded to students who demonstrate need in the form of scholarships, grants, loans and jobs. It is the Financial Aid Committee's responsibility to decide how much and what type or combination of aid can be awarded. Applicants wishing to be considered for any type of aid should:
1. Submit an application for admission
2. Obtain a Financial Aid Form (F.A.F.) from their Guidance Office or by writing to: College Scholarship Service, P.O. Box 176, Princeton, NJ 08540 3. Have parents complete F.A.F. and mail to College Scholarship Service before January 15
4. Specify that a copy of F.A.F. be sent to Rutgers University Financial Aid Office by the College Scholarship Service. (College of Pharmacy code number is 2737)

New Jersey State Scholarships are available but are not administered by the University. For information contact the high school guidance office or the New Jersey State Scholarship Commission, 225 West State Street, Trenton, NJ 08608. Pharmacy students who qualify are awarded tuition scholarships for the full five years. Information concerning aid programs of the University can be found in the Rutgers University Admissions Booklet which is available on request.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 Freshman Class

Filing for formal application by applicant
  Earliest date: Oct. 1, 1978
  Latest date: Feb. 1, 1979
  Application fee: $10.00
Notification of acceptance by school
  Earliest date: Dec. 1, 1978
  Latest date: Usually May 15, 1979
Class
  Starting date: Early Sept. 1979
  Ending date: Late May 1980
  Estimated size of class: 145

1980-81 Freshman Class

Filing for formal application by applicant
  Earliest date: Oct. 1, 1979
  Latest date: Feb. 1, 1980
  Application fee: $10.00
Notification of acceptance by school
  Earliest date: Dec. 1, 1979
  Latest date: Usually May 15, 1980
Class
  Starting date: Early Sept. 1980
  Ending date: Late May 1981
  Estimated size of class: 145

GENERAL COMMENTS ON 1979-80 AND 1980-81 FIRST YEAR CLASSES

Applicant response to acceptance offer
  Preferred time for response: Two weeks after notification of acceptance
  Deadline for response: May 1
Deposit required and refund policy if applicant withdraws acceptance: No deposit required

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

1979-80 Freshman Class

Tuition and Fees
  Resident: $760
  Non-resident: $1520
Room and Board: $1650 (Subject to change)
Books and Supplies: $150
Fees: $127-191

1980-81 Freshman Class

Tuition and Fees
  Resident: $760
  Non-resident: $1520
Room and Board: $1650 (Subject to change)
Books and Supplies: $150
Fees: $127-191

INFORMATION ON 1978-79 FIRST YEAR CLASS

Number of Students	Instate	Out-of-State, U.S.	Foreign	Male	Female	Total
	153	8	0	71	90	161

UNIVERSITY OF NEW MEXICO
COLLEGE OF PHARMACY
1-4 Program Type

GENERAL INFORMATION

The University of New Mexico College of Pharmacy is a state-operated institution and the only college of pharmacy in the state of New Mexico. The College of Pharmacy was founded in 1945 after the New Mexico Legislature approved a joint request for the establishment of the college from the University administration and the pharmacists of the state (as represented by the New Mexico Pharmaceutical Association). In 1975 the College moved into the Nursing-Pharmacy Building, one of the newer buildings in the Health Science Complex, which includes the School of Medicine, the College of Nursing, Bernalillo County Medical Center (Hospital), the Cancer Research and Treatment Center, the Mental Health Center, and the Health Sciences Library. The College of Pharmacy is a member of the American Association of Colleges of Pharmacy and is accredited by the American Council on Pharmaceutical Education.

CURRICULUM

The UNM College of Pharmacy offers a five year undergraduate program leading to the degree of Bachelor of Science in Pharmacy. This program consists of one year of pre-professional training followed by four years of study in the College of Pharmacy. The fifth year (fourth professional year) offers students the opportunity to select a particular area of emphasis (i.e., community pharmacy, hospital pharmacy, radiopharmacy, or pre-graduate study) as well as the opportunity to pursue a sequence of courses designed to meet the career objectives called for by the particular area of emphasis chosen. The curriculum includes courses in the fields of pharmacy, pharmaceutics, pharmaceutical chemistry, pharmacology, toxicology, clinical pharmacy, hospital pharmacy, radiopharmacy, and pharmacy administration.

The College of Pharmacy also cooperates with the UNM School of Management to offer a combined B.S. in pharmacy -- M.B.A. program. Other than this, the College of Pharmacy has no graduate program or Pharm. D. program.

REQUIREMENTS FOR ENTRANCE

The College of Pharmacy admits students for the fall semester only. Successful applicants are selected by the Admissions Committee during the month of June. All freshman students entering the University of New Mexico are first admitted to the University College and after completing the minimum admission requirements as stated below may apply for transfer to the College of Pharmacy.

The minimum admission requirements are:

1. Completion of the following courses (30 semester hours):

	Semester Hours
English (composition and Rhetoric)	6
General Biology	8
General Chemistry	8
Calculus	4-6
Electives*	2-4

*Recommended electives: Humanities or Social Sciences.

2. (a) A grade point average of at least 2.2 on all hours attempted

or

(b) If the grade point average on all hours attempted is less than 2.2, a grade point average of at least 2.2 on all hours attempted in the previous 2 sessions of enrollment, provided that, if fewer than 30 semester hours were attempted in the previous 2 sessions, a grade point average of at least 2.2 shall be required on all work attempted in as many consecutive sessions as are necessary to bring the student's total semester hours to 30.

3. Completion of the Pharmacy College Admission Test (PCAT). The PCAT must be taken no later than the February test date of the year in which the student applies for admission.

For additional information on admission requirements, prospective pharmacy students should contact:

Chairman, Admissions Committee
College of Pharmacy
The University of New Mexico
Albuquerque, New Mexico 87131

SELECTION FACTORS

If the number of applications from qualified applicants exceeds the number that can be accommodated, successful completion of the minimum requirements as stated above is no guarantee of admission. All applicants are screened by the Admissions Committee of the College of Pharmacy, and selection of successful applicants is made on a competitive basis with respect to academic background, scores on the PCAT, and certain non-cognitive factors. Preference is given to New Mexico residents or residents of regional states which do not have a school or college of pharmacy and which participate in the Western Interstate Commission for Higher Education (WICHE) Student Exchange program.

ADVANCED PLACEMENT TESTS

The University of New Mexico participates in the following advanced placement programs:

1. Advanced Placement Program of the College Entrance Examination Board.

2. College Level Examination program (CLEP).

The minimum scores and amount of credit granted have been established by the appropriate departments. For additional information, write to the University of New Mexico Office of Admissions.

FINANCIAL AID

The University of New Mexico Student Aids Office is responsible for the administration of undergraduate student financial aid. Pharmacy students who are interested in loans, scholarships, or work-study employment may apply to this office. In addition to financial aid that is available to University of New Mexico students generally, certain scholarships are available specifically to students enrolled in the College of Pharmacy. For more specific information, inquiries should be addressed to:

Chairman, Grants and Financial Aids Committee
College of Pharmacy
University of New Mexico
Albuquerque, New Mexico 87131

The College of Pharmacy is also a participant in the reciprocal tuition program coordinated by the Western Interstate Commission on Higher Education (WICHE). Under the program, pharmacy students may be eligible for tuition assistance if they are a resident of a participating member western state that does not have a school or college of pharmacy.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 First Year Class

Filing for formal application by applicant
  Earliest date: None
  Latest date: April 1, 1979
  Application fee: $15.00 (for first application to UNM)

Notification of acceptance by school
  Earliest date: June 20, 1979
  Latest date: July 15, 1979

Class
  Starting date: August 20, 1979
  Ending date: May 10, 1980
  Estimated size of class: 85

1980-81 "Projected" First Year Class

Filing of formal application by applicant
  Earliest date: None
  Latest date: April 1, 1980
  Application fee: $15.00 (for first application to UNM)

Notification of acceptance by school
  Earliest date: June 20, 1980
  Latest date: July 15, 1980

Class
  Starting date: August 18, 1980
  Ending date: May 9, 1981
  Estimated size of class: 85

GENERAL COMMENTS ON 1979-80 AND 1980-81 FIRST YEAR CLASSES

Applicant response to acceptance offer
  Preferred time for response: Two weeks from date of acceptance letter.
  Deadline for response: Four weeks from date of acceptance letter.

Although no deposit is required to hold class space, students should notify the Chairman of the Admissions Committee if they cancel their acceptance so that another student may be assigned the space.

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASSES

1979-80 First Year Class

Tuition and Fees
  Resident: $576
  Non-resident: $1716
Room and Board (minimum): $1500
Books and Supplies: $250
Lab Fees: Breakage and replacement costs

1980-81 "Projected" First Year Class

Tuition and Fees
  Resident: $576
  Non-resident: $1716
Room and Board (minimum): $1500
Books and Supplies: $250
Lab Fees: Breakage and replacement costs

ESTIMATED INFORMATION ON 1978-79 FIRST YEAR CLASS

Number of	Instate	Out-of-State, U.S.	Foreign	Male	Female	Total
Students	46	18	5	46	23	69

ARNOLD AND MARIE SCHWARTZ COLLEGE OF PHARMACY AND HEALTH SCIENCES LONG ISLAND UNIVERSITY

1-4 PROGRAM TYPE

GENERAL INFORMATION

Arnold and Marie Schwartz College of Pharmacy and Health Sciences, (formerly Brooklyn College of Pharmacy) the oldest unit of Long Island University, was founded in 1886 by a group of pharmacists and physicians who called themselves the Kings County Pharmaceutical Society. Their original charter of 1887 stated that the purpose of the organization was to "improve the science and art of pharmacy by diffusing scientific knowledge among the pharmacies and druggists, featuring pharmaceutical literature and developing talent for pharmaceutical pursuit and investigation." The growth in physical facilities during the past eighty-four years to the College's present $6,000,000 pharmacy complex with its modern laboratories, library, lecture halls, student service facilities and dormitory located on the Brooklyn Center campus of Long Island University, illustrates a material progress which is reflective of the institution's awareness of the changing needs of the medical health profession. The recent relocation of the College to the main campus of Long Island University further illustrates the College's continued emphasis on growth for progress and excellence.

While several thousand of the College's graduates are community pharmacists (1 in every 4 pharmacists in New York State is an alumnus of the College), others hold top positions in about 30 other pharmaceutical fields. Applicants are invited to discuss any one, or all, of these professional careers with the Director of Admissions at the College. He will be happy to assist you in learning more about the opportunities in pharmacy and how to prepare for your career objective.

CURRICULUM

The undergraduate program in pharmacy offers a five year curriculum leading to the degree of Bachelor of Science in Pharmacy. The course is built upon two groups of fundamental sciences, the chemical and the biological which lead to specialization in the fourth and fifth years. The introduction, also, of basic humanities and social sciences, subjects always found in the college of liberal arts and science, provides that common and universally accepted body of knowledge which all educated men and women are expected to acquire, irrespective of vocational or professional objectives. Thus, the course offers a good opportunity for one to acquire a sound cultural background plus the special education and training necessary for employment in the ever broadening field of professional pharmacy.

The curriculum, however, does not limit itself to a consideration of the student's needs solely in academic terms. The radical and progressive curriculum changes that have taken place over the years involve the concept of the student as an integral member of society as well as highly trained professional.

In summary, the curriculum is organized to provide each student with the background and resources of a truly educated man or woman as defined by the University which now adds its own great resources to the programs of the College and grants both undergraduate and graduate degrees.

Address inquiries to: Office of Admissions
Arnold and Marie Schwartz
College of Pharmacy
and Health Sciences
Long Island University
75 DeKalb Avenue
Brooklyn, New York 11201
(212) 330-2710

Students are considered for admission only as full-time matriculated degree candidates.

REQUIREMENTS FOR ENTRANCE

Admission is largely based on the student's previous educational record. The minimum requirement is completion of at least 16 units in an accredited four-year high school. The following units are recommended:

English	3-4 units
Mathematics	2½-3 units
Laboratory Science	2-3 units
Social Science-Humanities	3-6 units

Students are strongly recommended to complete courses in algebra, geometry, intermediate algebra, biology and chemistry.

1. Fulfillment of the above requirements does not insure admission to the College. Preference will be given to those candidates most capable of successfully pursuing a scientifically oriented curriculum. It is also strongly recommended that the applicant take the SATs or the PCAT.
2. Completion of one or more years of college work may also be accepted as evidence of satisfactory admission requirements. (See Advanced Standing)

SELECTION FACTORS

1. The Arnold and Marie Schwartz College of Pharmacy and Health Sciences maintains a selective admissions requirement. Those students are accepted whose past performance indicates a talent toward successful completion of a scientific program of studies in the health service field. Although this assurance may appear an obvious one, its successful application normally requires a sustained and careful effort by the prospective student and the college to understand each other.
2. In order that the student and College may maintain a better understanding and awareness of each other, each candidate is interviewed by a faculty member or admissions officer. It is anticipated that the student will at this time feel free to ask any questions concerning the College as the interviewer may likewise ask of him.
3. While past academic performance plays a major part in the admissions process, the College considers such attributes as motivation, curiosity and concern for others basic for admission.
4. All of the above factors are taken into consideration when a student applies for admission. It should be noted that the College maintains an admission policy that is intended to be "inclusive" rather than "exclusive." A student is selected based on the belief that he will succeed at the College and be happy with the choice he has made. A rejection is based on the belief that the student, although not necessarily qualified for this College, may be quite successful in another academic field.

ARNOLD AND MARIE SCHWARTZ COLLEGE OF PHARMACY AND HEALTH SCIENCES LONG ISLAND UNIVERSITY

ADVANCED STANDING APPLICANTS

Students from accredited colleges and universities are also invited to apply for admission. All Community College students who have completed courses in liberal arts, sciences and health service areas will, if accepted for admission, receive advanced standing credit. Senior college students, both pre-medical and science majors, will similarly receive advanced standing credit if accepted for admission. Students must present, or have forwarded, official transcripts of their scholastic record from the institution previously attended, as well as a marked copy of the catalogue of the college or university previously attended showing courses for which credit is sought.

ADVANCED PLACEMENT TEST

The College participates in the Advanced Placement program of the College Entrance Examination Board. Consideration for advanced standing credit is given in appropriate academic subject areas.

FINANCIAL AID

Financial Assistance is available to students based on financial need and scholarly attainment. The type of financial assistance available include:

1. Scholarships
2. Grants
3. Loans

All candidates for scholarships and loan funds administered by the College must file an Application for Financial Aid and the Financial Aid Form (FAF) of the College Scholarship Service. Both forms are available from the Office of Financial Aid. The form can also be obtained from the local high school guidance office. Further information on Financial Assistance can be obtained from the Office of Financial Aid at the College.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 Freshman Class

Filing of formal application by applicant
  For Fall Admission: September through March.
  For Spring Admission: September through December.
Notification of acceptance by school
  Usual time from receipt of complete application to acceptance notice: Six Weeks
Other information on 1979-80 1st Year Class
  Starting date: September 17,1979
  Ending date May 25, 1980
Estimated size of class: 150

1980-81 "Projected" Freshman Class

Filing of formal application by applicant
  For Fall Admission: September through March.
  For Spring Admission: September through December.
Notification of acceptance by school
  Usual time from receipt of complete application to acceptance notice: Six Weeks
Other information on 1980-81 1st Year Class
  Starting date: September 18, 1980
  Ending date: May 23, 1981
Estimated size of class: 150

GENERAL COMMENTS ON 1979-80 and 1980-81 FIRST YEAR CLASSES

Applicant response to acceptance offer
  Preferred time for response: 2 weeks
  Maximum time: August 1, 1979; August 1, 1980
  Deposit fee to hold place in class (applies to tuition): $100.00, due promptly after acceptance notice.

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

1979-80 Freshman Class

Tuition and Fees
  Resident: $3,237
  Non-resident: $3,237

Room and Board (minimum): $1,084
Books and Supplies: $200
Lab Fees: $100
Other Required Expenses: $15

1980-81 "Projected" Freshman Class

Tuition and Fees
  Resident: $3,337
  Non-resident: $3,337

Room and Board (minimum): $1,184
Books and Supplies: $200
Lab Fees: $100
Other Required Expenses: $15

ESTIMATED INFORMATION ON 1978-79 FIRST YEAR CLASS

Number of Students	Instate	Out-of-State,U.S.	Foreign	Male	Female	Total
125	100	20	5	90	35	125

ST. JOHN'S UNIVERSITY
COLLEGE OF PHARMACY AND ALLIED HEALTH PROFESSIONS
0-5 Program Type

GENERAL INFORMATION

St. John's University was founded as St. John's College in 1870 by the priests of the Congregation of the Mission popularly known as the Vincentian Fathers. In 1906 a new charter by the State recognized St. John's as a University.

The College of Pharmacy was established in 1929 as a professional school of the University. In 1958, it was relocated from the Brooklyn Center to a newly constructed science-pharmacy building on the suburban Queens campus. In 1972 the name of the College of Pharmacy was changed to the College of Pharmacy and Allied Health Professions to more properly represent our undergraduate and graduate programs in medical technology, physicians assistant and toxicology as well as our pharmacy program.

CURRICULUM

The curriculum in pharmacy is a total five year program providing for instruction in pre-professional and general education, scientific and professional areas. Basic science and general education courses are taken with other University students. To meet the new trends in professional practice, greater emphasis is being placed on the clinical component of the undergraduate curriculum.

During the fourth year the student is introduced to the clinical environment and the various members of the health care team. The student is presented with the basic tools of clinical practice through both University based lectures and hospital observations. In the fifth year the students are offered the opportunity to become more deeply involved in clinical experiences. Clerkships and internships are provided at both hospitals and community pharmacies. In addition, students can select at their option a practical extra mural supervised experience from such areas as community practice, institutional practice, psychiatric or geriatric care program, industrial research and development, quality control, criminal justice system, pharmacy regulatory programs medical detailing and others.

Self-Pace Program - The College of Pharmacy and Allied Health Professions participates in the University's Self Pace Program which allows a student to academically progress at a pace mutually agreed upon after testing and counseling. An accelerated program may allow for completion of the program in less than the usual five years. This may be accomplished by utilizing the summer sessions immediately following graduation from high school and subsequent summer sessions following completion of the regular academic year. This may also be accomplished by participation in the University's Early Admission Program which allows for the admission of selected students upon the successful completion of the high school curriculum through the eleventh grade level. Another method may involve credit based on C.E.E.B. Advanced Placement and College Level Examination, United States Armed Forces Institute, and the New York State College Proficiency Examinations. An opportunity to participate in a special program is also made available to selected students judged as underachievers but with potential who have a strong interest in science. A reduced tailor made course load, special individual and group tutoring and counseling, and periodic testing are the principal elements of this program. The participants recognize that participation in this program will extend the time normally required for completion. Address all inquiries to the Office of the Dean of Admissions and Registrar, St. John's University, Queens, New York 11439.

REQUIREMENTS FOR ENTRANCE

The following are the entrance requirements for those students applying from an accredited secondary school: Sixteen units of high school work are required for admission. The following are recommended:

English	4 units
Foreign Language	2 units
History	1 unit
Science	1 unit
Elementary Algebra	1 unit
Plane Geometry or Tenth Yr. Math.	1 unit
Intermediate Algebra & Trigonometry or Eleventh Year Math.	1 unit
Electives	5 units

At least three of the electives must be from the academic grouping.

St. John's University admits candidates who wish to transfer from other colleges or universities with advanced standing. Only those students whose previous college records have been satisfactory in every respect are advised to apply. In addition to the University requirements for admission with advanced standing, candidates for the Pharmacy program must have received a degree or attended a college or university registered with or approved for the purpose by the New York State Education Department.

SELECTION FACTORS

Admission to the University is determined by the applicant's graduation from an accredited secondary school, academic preparation, performance and personal fitness. Applicants who hold a High School Equivalency diploma on the basis of the General Educational Tests are considered for admission. They are required to submit an official transcript of any high school work taken and photostatic copies of the official scores and diploma. The Committee on Admissions considers such factors as scholastic records; results in intelligence and achievement tests; character and personal qualities; class standing; work experience; honors and awards. College Entrance Examination Board Tests (S.A.T.) with the exception of achievement tests are required. In addition to the requirements listed above, candidates for admission to the Pharmacy program must be at least 16 years of age and must be a graduate of a four year secondary school accredited by the New York State Education Department. No student who because of academic or disciplinary reasons, has been placed on probation in another institution is elegible for admission to the College of Pharmacy and Allied Health Professions.

ST. JOHN'S UNIVERSITY
COLLEGE OF PHARMACY AND ALLIED HEALTH PROFESSIONS
0-5 Program Type

Completion of the non-professional requirements at St. John's University or any other accredited college or university does not automatically assure entrance to the professional program. Due to available facilities and faculty, enrollment is limited.

ADVANCED PLACEMENT TESTS

Advanced placement and advanced credit may be granted to entering students who qualify. Normally such programs include the C.E.E.B.'s Advanced Placement and College Level Examination Programs, the U.S. Armed Forces Institute Program, and the New York State College Proficiency Examination program. Queries should be directed to the Office of the Dean of Admissions and Registrar.

FINANCIAL AID

St. John's University participates in the College Scholarship service of the College Entrance Examination Board. Participants in CSS subscribe to the principle that the amount of financial aid granted a student should be based upon financial need. Entering students seeking financial assistance from any federal or institutional source of funding are required to submit a copy of the Parents Confidential Statement form to the CSS service designating St. John's University as one of the recipients by April 1st.

Scholarships

The University awards annually an unlimited number of scholarships based on academic excellence. Twenty-five scholarships are awarded on the basis of a competitive examination given to seniors in the fall of senior year. Other special scholarship programs are also available to students.

Grants-in-Aid

A variety of grants-in-aid are awarded to students who possess a serious financial need coupled with academic excellence or who are of special interest and value to the University.

Loans

The University participates in various loan programs that provide funding to students classified as full time. Through the Health Professions Student Loan and Scholarship Program low interest loans may be made to pharmacy students in financial need to pursue their course of study. In addition to the Financial Aid program of the University, there are various scholarships and loans that are available to students in the College of Pharmacy and Allied Health Professions. These are provided by Pharmaceutical Associations and Foundations, as well as the Federal Government.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 First Year Class
  Filing of formal application by applicant
  Earliest date: September 15, 1978
  Latest date: September 1, 1979
  Application fee: $10.00
Notification of acceptance by school
  Earliest date: September 22, 1978
  Latest date: September 6, 1979
  Usual time from receipt of complete application to acceptance notice: Two weeks
Other information on 1979-80 1st Year Class
  Starting date: September 6, 1979
  Ending date: May 9, 1980
  Estimated size of class: 235

1980-81 "Projected" First Year Class
  Filing of formal application by applicant
  Earliest date: September 15, 1979
  Latest date: September 4, 1980
  Application fee: $10.00
Notification of acceptance by school
  Earliest date: September 21, 1979
  Latest date: September 4, 1980
  Usual time from receipt of complete application to acceptance notice: Two weeks
Other information on 1980-81 1st Year Class
  Starting date: September 4, 1980
  Ending date: May 8, 1981
  Estimated size of class: 235

GENERAL COMMENTS ON 1979-80 AND 1980-81 FIRST YEAR CLASSES

Applicant response to acceptance offer
  Preferred time for response: As soon as possible
  Maximum time: One month
  Deposit fee to hold place in class (applied on tuition): $100.00 due at time of applicant's response
Deadline for cancellation of acceptance (deposit refundable prior to this date): Not refundable

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

Freshman Class

Tuition and Fees
  Resident: $2,730
  Non-resident: $2,730
Room and Board (minimum): No University facilities
Books and Supplies: $225.00
Lab Fees: $50.00
Other Required Expenses: None

"Projected" Freshman Class

Tuition and Fees
  Resident: $2,730
  Non-resident: $2,730
Room and Board (minimum): No University facilities
Books and Supplies: $250.00
Lab Fees: $50.00
Other Required Expenses: None

ESTIMATED INFORMATION on 1978-1979 FIRST YEAR CLASS (Pharmacy Only)

Number of students	Instate	Out-of-State, U.S.	Foreign	Male	Female	Total
235	NA	NA	NA	NA	NA	235

STATE UNIVERSITY OF NEW YORK AT BUFFALO
SCHOOL OF PHARMACY *

PROGRAM TYPE: 2-3

Founded in 1886 as a private college, the School of Pharmacy in Buffalo is the only pharmacy school in the State University of New York system.

And the University at Buffalo, which became a state institution in 1962, is now SUNY's largest and most comprehensive graduate and undergraduate center.

The SUNY/Buffalo School of Pharmacy maintains complete facilities for instruction and research in all aspects of the profession. The clinical components of its curriculum are taught at five local hospitals which are affiliated with the University.

At SUNY/Buffalo, the School of Pharmacy is part of a Health Sciences Faculty made up of the University's schools of pharmacy, medicine, dentistry, nursing and health-related professions.

CURRICULUM

The following degree programs are offered at the SUNY/Buffalo School of Pharmacy:

A. Professional Practice

1) A specialized curriculum in the last three years of a five-year program leading to a Bachelor of Science in Pharmacy. (This is the professional degree required for licensure as a pharmacist). The fifth year includes approximately 400 hours of clerkship experience within the five affiliated hospitals, other clinical sites and at community pharmacies within the area. The first two years of this program may be taken in SUNY/Buffalo's Division of Undergraduate Education or at another accredited institution---including two-year community colleges.

2) An advanced program in professional practice with strong emphasis on clinical training, leading to the Doctor of Pharmacy degree (Pharm.D.).

3) A combined Bachelor of Science in Pharmacy and Master of Business Administration degree program in conjunction with the SUNY/Buffalo School of Management.

4) A combined Bachelor of Science in Pharmacy and Doctor of Law (Juris Doctor) degree program in conjunction with the SUNY/Buffalo School of Law.

B. Health Sciences

A four-year program leading to the degree of Bachelor of Science in the Health Sciences is offered by the School of Pharmacy faculty through the Division of Undergraduate Education. Areas of major study are biochemical pharmacology, pharmaceutics, medicinal chemistry or biochemistry.

C. Graduate Study

There are post-baccalaureate programs leading to Master of Science and Doctor of Philosophy degrees in the fields of biochemical pharmacology, pharmaceutics, medicinal chemistry, and biochemistry.

REQUIREMENTS FOR ENTRANCE

High School Students to Pre-Pharmacy Program

High school students are not admitted directly into the SUNY/Buffalo School of Pharmacy. They enter the University as freshmen in the Division of Undergraduate Education. It is not until they complete the two-year pre-pharmacy course requirements that they are eligible to apply for admission into the School of Pharmacy.

To qualify for admission to SUNY/Buffalo, high school applicants should be in the upper fifth of their graduating class. They should also have at least 16 units of high school credit, four of which must be in English and two of which must be in mathematics (usually algebra and plane geometry).

Certain other courses, although not required for admission, will be of great value to prospective pharmacy students. These include: chemistry, physics, intermediate and advanced algebra, trigonometry, calculus, biology, etc.

The University requires applicants to submit results from one of the following entrance examinations:

---College Board Scholastic Aptitude Test (SAT)
---American College Testing Program (ACT)

Complete details may be obtained by contacting the SUNY/Buffalo Office of Admissions and Records.

First or Second-Year Transfer Students to Pre-pharmacy Program

To be considered as a transfer applicant, a student must have completed a minimum of 12 semester hours of college work prior to the submission of the application, and should expect to have completed at least 24 semester hours of course work prior to actual enrollment.

Admission of transfer students is made on the basis of previous college academic performance and space availability. All students presenting an average of 2.0 (C) or better will be considered for admission. However, due to the limited spaces available, an average slightly higher than 2.0 (C) may be required to qualify for admission as a transfer student.

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* The University reserves the right to make changes in programs, policies, regulations and fees as circumstances dictate.

Entrance to Professional Program

Students who have completed the two year pre-pharmacy course requirements at SUNY/Buffalo, or any accredited two or four year institution are eligible to apply for admission to the School of Pharmacy.

Pre-pharmacy Course Requirements:

General Chemistry	8 credit hours
Organic Chemistry	8 credit hours
Biology	8 credit hours
Calculus	4 credit hours
Science courses	12 credit hours*
Electives (Humanities and Social Sciences)	6 semester hours

* 4 additional credit hours of calculus and 8 credit hours of physics are strongly recommended.

The candidate must submit an official transcript from all colleges he has attended. The Pharmacy College Admission Test is required of all applicants. The application is considered incomplete without the PCAT test.

ADDRESS INQUIRIES TO: Office of the Dean
School of Pharmacy
State University of New York
at Buffalo
Buffalo, New York 14260

SELECTION FACTORS

The record of academic performance will be reviewed by the Admissions Committee of the School of Pharmacy. Applicants for admission from SUNY/Buffalo and other colleges must have completed the Pharmacy College Admission Test and have completed the pre-pharmacy requirements with a minimum of a "C" average. Admissions will be based on a comparison with all other applications and limited by class size. In recent years, grade point averages of the entering classes have been considerably higher than the 2.0 minimum.

FINANCIAL AID

Every New York State resident is eligible to apply for the Tuition Assistance Program (TAP). Financial Aid has also been established through funds given to the University by individuals, and is available in the form of grants and loans.

Students enrolled in the School of Pharmacy are eligible for special scholarships awarded by the School on the basis of academic excellence and financial need. Federal Health Professions Loans, made available from the Department of Health, Education and Welfare are awarded on the basis of academic performance and financial need.

For more information, write to SUNY/Buffalo Office of Financial Aid.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 Third Year Class

Filing for formal application by applicant.
    Earliest date: during fall semester
    Latest date: Varies, approximately March 1979
Notification of acceptance by school.
    Earliest date: April 15, 1979
    Latest date: August 25, 1979
Class (estimated size: 91)
    Starting date: approximately September 1, 1979
    Ending date: approximately May 30, 1980

1980-81 "Projected" Third Year Class

Filing for formal application by applicant.
    Earliest date: during fall semester
    Latest date: Varies, approximately March 1980
Notification of acceptance by school.
    Earliest date: April 15, 1980
    Latest date: August 25, 1980
    Class (estimated size: 91)
    Starting date: approximately September 1,1980
    Ending date: approximately May 30, 1981

GENERAL COMMENTS ON 1979-80 AND 1980-81 THIRD YEAR CLASSES

Applicant response to acceptance offer.
    Deadline for response: 2 weeks
Deposit required and refund policy if applicant withdraws acceptance:
    Deposit fee to hold place in class (applies on tuition): $50.00
    Deadline for cancellation of acceptance (deposit refundable prior to this date):
        May 1 or 30 days from date of acceptance letter

ESTIMATED EXPENSES PER YEAR FOR THIRD YEAR CLASS

1979-80 Third Year Class

Tuition and Fees
    Resident: $900
    Non-resident: $1500
Room and Board (minimum): $1300
Books and Supplies: $160

1980-81 "Projected" Third Year Class

Tuition and Fees
    Resident: $900
    Non-resident: $1500
    Room and Board (minimum): $1300
    Books and Supplies: $160

ESTIMATED INFORMATION ON 1978-79 THIRD YEAR CLASS

Number of Students	Instate	Out-of-State, U.S.	Foreign	Male	Female	Total
	84	2	5	48	43	91

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL
SCHOOL OF PHARMACY
2-3 Program Type

GENERAL INFORMATION

The School of Pharmacy of the University of North Carolina at Chapel Hill was established as an academic unit of The University in 1897 in response to urgent requests from the pharmacists of North Carolina. After many years in Howell Hall (named in honor of the School's first dean, Edward Vernon Howell), the School now occupies a modern well-equipped building, Beard Hall (dedicated in 1960 and named in honor of the School's second dean, John Grover Beard). The School of Pharmacy is located in a health sciences center on the Chapel Hill campus and, with the Schools of Medicine, Dentistry, Public Health and Nursing, it is a unit of the University's Division of Health Affairs. Faculty and students have direct access to the resources of five major schools, N.C. Memorial Hospital (a 600 bed University teaching hospital), a major international pharmaceutical company, Institute of Toxicology, a major manufacturer of hospital supplies, Area Health Education Center (AHEC) and government agencies such as the National Institute of Environmental Health Sciences and the Environmental Protection Agency.

The School, in cooperation with the N.C. Pharmaceutical Association and the N.C. Board of Pharmacy, engages in the continuing education of pharmacists and pharmaceutical scientists and technologists, supporting their efforts to adapt to an expanding and dynamic science and technology. The School of Pharmacy was admitted to membership in the American Association of Colleges of Pharmacy in 1917. The School is accredited by the American Council on Pharmaceutical Education and by all State Examining Boards.

CURRICULUM

In its educational program, emphasis is given to the five-year curriculum required for the Bachelor of Science in Pharmacy degree (B.S. in Pharm.). This curriculum is designed and administered in accordance with the current and changing demands for pharmaceutical services in communities and institutions. The curriculum is distinctively interdisciplinary with major emphasis on physical sciences, biological and biomedical sciences, pharmaceutical sciences and professional studies requiring substantial preliminary training in physical and biological sciences. It is administered with the flexibility necessary to accommodate the varying aspirations of individual students and, at the same time, with adequate rigidity to qualify the students as candidates for licensure as Registered Pharmacists and in every way for the important and expanding role of the pharmacist as a health professional. The graduate of the B.S. in Pharm. degree curriculum is qualified and motivated for the practice of clinical pharmacy (community pharmacy and institutional pharmacy), for professional and technical careers in industry and government, and for further study leading to advanced degrees in the pharmaceutical sciences and related physical, biological and biomedical sciences. Plans are being made to offer a new professional degree, Doctor of Pharmacy (Pharm.D.). The School offers M.S. and Ph.D. degree candidates and postdoctoral participants coursework and research training and experience in the pharmaceutical sciences of pharmacy administration, pharmacy (biopharmaceutics, physical pharmacy and hospital pharmacy) and medicinal chemistry.

To be recommended for the degree of Bachelor of Science in Pharmacy, the student must have completed the five-year course of study.

The graduate degree programs of the School of Pharmacy benefit considerably from the relations of the faculty with the School of Medicine, the Research Triangle Institute (especially the Chemistry and Life Sciences Laboratory) and the Oak Ridge Institute of Nuclear Studies. Information concerning graduate courses may be obtained by addressing the Dean of the Graduate School or the School of Pharmacy.

REQUIREMENTS FOR ENTRANCE

Freshmen are admitted to the General College for the first two years of study (prepharmacy) by certificate from accredited schools, by examination and satisfactory scores on the College Entrance Examination Board. Admission to the General College is ordinarily based on the completion of four years of high school or preparatory school work and acquisition of sixteen or more units of credit according to the following distribution:

	Units		Units
English	4	A Natural Science	1
History of the United States	1	Foreign Language	2
Algebra	2	Electives to make total of	16
Plane Geometry	1		

Students are admitted to a three-year program of professional studies in the School of Pharmacy upon completion of at least two years (the prepharmacy years) of collegiate work in the General College of the University of North Carolina at Chapel Hill or in any accredited liberal arts college (2-3 program). Application blanks for admission may be secured by writing to the Director of Undergraduate Admissions, University of North Carolina at Chapel Hill, Monogram Club - 153A, Chapel Hill, NC 27514, who upon approving the application will undertake to secure directly from the proper high school official an appropriate certification of the applicant's record. The Dean of the School of Pharmacy should be advised when formal application for admission is made to the Director of Admissions.

SELECTION FACTORS

Candidates for admission as transfer students with third-year standing must have completed two years of prepharmacy study including English Composition (6 sem. hrs.); General Chemistry (8 s.h.); Math, including Calculus (6 s.h.); Biology - Vertebrate Zoology (8 s.h.); Economics (3 s.h.); Organic Chemistry and Advanced Analytical Chemistry (8-12 s.h.); Electives (9 s.h.); Humanities (3 s.h.); Social Science (3 s.h.); Physics (4-8 s.h.); Physical Education (2 s.h.). All prospective pharmacy student applicants are required to take the Pharmacy College Admissions Test (PCAT).

Transfer students are required to submit transcripts of their college work at the time of their formal application for admission. Each application for admission or readmission must be approved by the Director of Undergraduate Admissions at the University before the application can be considered by the Committee on Admissions of the School of Pharmacy. Applicants for admission as transfer students should appear at the School of Pharmacy for a personal interview. All applications should be filed as early as possible in the period before February 1.

ADVANCED PLACEMENT TESTS

A score of 3 or higher on any advanced placement examination of the College Entrance Examination Board (CEEB) will entitle the student to credit for the comparable university course as determined by the Director of Undergraduate Admissions in consultation with the Chairman of the appropriate department. Such credit will not be contingent upon the completion of further work in the subject. For students who transfer to the School of Pharmacy from another accredited school of pharmacy, the minimum residence required for the degree is one academic year, that is, two semesters within a twelve-month period. Such students must complete at least thirty semester hours while in residence in the School of Pharmacy.

FINANCIAL AID

The School of Pharmacy and the University have scholarship and loan funds for worthy students who can show a definite need. In addition, there are part-time jobs involving various kinds of work which enable some students to earn a part of their expenses. Information about all these types of assistance may be obtained by writing to the Student Aid Office, 307 Vance Hall, UNC, Chapel Hill, N. C. 27514. Pharmacy students who are residents of North Carolina and have successfully completed the sophomore year are eligible to apply for loans appropriated by the General Assembly. The student agrees upon completing requirements for the Degree of Pharmacy and becoming Board registered to repay the loan by practice in North Carolina in a rural community one year for each academic year of assistance. Detailed information may be obtained from the Educational Loan Program, Department of Human Resources, P.O. Box 12200, Raleigh, N. C. 27605. Pharmacy students are eligible for loans to cover tuition, fees and books not exceeding $500 per semester from the John W. Dargavel Foundation, 1750 K Street, N.W., Suite 1200, Washington, D. C. 20006. Loans are made only to complete the last three years of pharmaceutical education. The applicant must be recommended by the Dean of the School.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 Freshman Class

Filing for formal application by applicant.
- Earliest date: Mid-September, 1978
- Latest date: April 1, 1979
- Application fee: $10.00

Notification of acceptance by school.
- Earliest date: Varies
- Latest date: Varies

Class
- Starting date: August 23, 1979
- Ending date: May 11, 1980
- Estimated size of class: 150

1980-81 "Projected" Freshman Class

Filing for formal application by applicant.
- Earliest date: Mid-September, 1979
- Latest date: April 1, 1980
- Application fee: $10.00

Notification of acceptance by school.
- Earliest date: Varies
- Latest date: Varies

Class
- Starting date: Not available
- Ending date: Not available
- Estimated size of class: 150

GENERAL COMMENTS ON 1979-80 and 1980-81 FIRST YEAR CLASSES

Applicant response to acceptance offer.
- Preferred time for response: 3 weeks
- Deadline for response: August 1.

Deposit required: $25.00 non-refundable deposit required within 3 weeks of acceptance.

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

1979-80 Freshman Class

Tuition and Fees	
Resident:	594.50
Non-Resident	2,246.50
Room and Board (minimum):	1,626.00
Books and Supplies:	275.00
Lab Fees:	20.00
Other Required Expenses:	660.00

1980-81 "Projected" Freshman Class

Tuition and Fees	
Resident:	594.50
Non-Resident:	2,246.50
Room and Board (minimum):	1,626.00
Books and Supplies:	275.00
Lab Fees:	20.00
Other Required Expenses:	660.00

ESTIMATED INFORMATION ON 1978-79 FIRST YEAR CLASS

Number of students	Instate	Out-of-State, U.S.	Foreign	Male	Female	Total
160	153	7	0	66	94	160

OHIO NORTHERN UNIVERSITY
COLLEGE OF PHARMACY

PROGRAM TYPE

0-5

GENERAL INFORMATION

The Raabe College of Pharmacy at Ohio Northern University endeavors today, as in the past, to meet the high standards of education demanded by the profession of pharmacy. Currently, the College of Pharmacy occupies a modern, one and one-half million dollar building, designed and equipped to provide the facilities required for contemporary pharmaceutical education. The course of instruction in pharmacy is a five-year program leading to the Bachelor of Science in Pharmacy (B.S. Pharm.) degree.

The Raabe College of Pharmacy is an integral part of Ohio Northern University. It is recognized and approved by the Board of Pharmacy of the State of Ohio. It is a member of the American Association of Colleges of Pharmacy and is accredited by the American Council on Pharmaceutical Education. For the purposes of administration, the pharmacy program is divided into two major divisions; the Lower Division, consisting of the first two years (P-1 and P-2), and the Upper Division, consisting of the last three years (P-3, P-4, and P-5).

CURRICULUM

The Raabe College of Pharmacy at Ohio Northern is dedicated to the education of pharmacists who are able to assume diverse roles in our contemporary health care system. The curriculum is integrated with all five years of study in the college. In the first two years you enroll in general education courses in English, economics, logic, religion, sociology, psychology, and speech. You also take introductory courses in biology, chemistry, and calculus. You will work closely with faculty members in examining your commitment to pharmacy. In the required freshman orientation courses you will learn about the development of the profession of pharmacy and the role that pharmacists have in health care. In your last three years you will enroll in advanced pharmacy courses, culminating in the structured externship program. The externship program is a unique, experience oriented program that was developed in cooperation with the Ohio State Board of Pharmacy, the Ohio State Pharmaceutical Association and many practicing pharmacists throughout Ohio. Course work is balanced with extra-curricular activities and participation in student chapters of national and state pharmaceutical associations.

REQUIREMENTS FOR ENTRANCE

Persons seeking admission to the College of Pharmacy must provide the necessary information and meet the general requirements for admission to the University, as listed in that section of the University Bulletin. Students who qualify under those standards are reviewed for final approval for admission by the Dean of the College of Pharmacy. It is recommended that high school graduates entering the pharmacy curriculum should have completed the college preparatory course including four years of English, three years of mathematics (algebra I and II and plane geometry), and three years of science including biology and chemistry. Priority will be granted to students with additional credits. Students found to be deficient in these areas may be required to pursue remedial work prior to being scheduled in the regular course of study. A student desiring to transfer from another accredited college or university must present a transcript of his record at that institution and a copy of their current catalog. Approval for admission and advanced placement will be determined by the Faculty of the College of Pharmacy upon review of student's previous record.

SELECTION FACTORS

The Ohio Northern University student is selected on the basis of his qualifications and his desire to use the academic, spiritual and social resources of the campus community to become a worthy and creative person. The prospective student should choose this institution with full awareness of its academic purposes and its comprehensive objectives.
High school students applying for admission to the University must present 16 units of credit (including twelve in the academic areas), scores of the Scholastic Aptitude Test (SAT) of the College Entrance Examination Board or the American College Testing Program (ACT), a $20 application fee, character references, an autobiographical sketch and a health examination report.

ADVANCED PLACEMENT TEST

The university grants placement and credit under the CEEB Advanced Placement Program and the College-Level Examination Program (CLEP). Additionally, any student may earn a total of 45 quarter hours by credit by examination.

FINANCIAL AID

It should be recognized that each Ohio Northern University student's education is partially subsidized by institutional income from endowment and the annual giving of alumni, The United Methodist Church and other interested persons and organizations. Prospective students should consult the high school counselor for information about financial assistance available from civic groups, fraternal orders, church and business organizations, and the loan plans of certain states.
Ohio Northern University offers scholarships to encourage unusually capable youths to select this institution. To assist worthy young persons with limited financial resources to attend college, the University provides grant-in-aid, loan and work opportunities.
The institution participates in the National Direct Student Loan Program, the Federal Work-Study program providing part-time jobs on campus for students, and the Federal Supplemental Educational Opportunity Grant Program.

Early application is advisable for scholarship, grant-in-aid, loan or work-study opportunity, or combination of the preceding. Application forms should be requested early in the senior year since they are processed as received. Students applying for bank loans should have their application in the Office of Financial Aid by July 1 in order to have them processed for the fall quarter. Write to the Director of Financial Aid, Ohio Northern University, Ada, Ohio 45810.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 Freshman Class

Filing for formal application by applicant.
    Earliest date: Not applicable
    Latest date: August 24, 1979
    Application fee: $20.00
Notification of acceptance by school.
    Earliest date: Rolling admissions
    Latest date:
Class
    Starting date: September 5, 1979
    Ending date: May, 1980
    Estimated size of class: 180

1980-81 "Projected" Freshman Class

Filing for formal application by applicant.
    Earliest date: Not applicable
    Latest date: August, 1979
    Application fee: $20.00
Notification of acceptance by school.
    Earliest date: Rolling admission
    Latest date:
Class
    Starting date: September, 1980
    Ending date: May, 1981
    Estimated size of class: 180

GENERAL COMMENTS ON 1979-80 AND 1980-81 FIRST YEAR CLASSES

Applicant response to acceptance offer.
    Preferred time for response: 20 days after acceptance
    Deadline for response: 20 days after acceptance
Deposit required and refund policy if applicant withdraws acceptance: Applicable

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

1979-80 Freshman Class

Tuition and Fees
    Resident: $1257.00 (Estimated)
    Non-resident: $1257.00 (Estimated)
Room and Board (minimum): $470
Books and Supplies: $300
Lab Fees: None
Other Required Expenses: $264.00

1980-81 "Projected" Freshman Class

Tuition and Fees
    Resident: $1457.00 (Estimated)
    Non-resident: $1457.00 (Estimated)
Room and Board (minimum):$470
Books and Supplies: $300
Lab Fees: None
Other Required Expenses: $264.00

THE OHIO STATE UNIVERSITY
COLLEGE OF PHARMACY
PROGRAM TYPE 1-4 and 2-3

GENERAL INFORMATION

As an integral part of the University, the College of Pharmacy is governed by the same policy and shares in the support afforded the University by the state and national governments. This support enables the College to offer every facility for training in all phases of the study of pharmacy and to maintain a high degree of excellence in its work. The work of the College is coordinated with that of other departments of the University and students in pharmacy share not only the advantages of the broadening influence of contact with students in other departments but also the spirit of a great educational institution -- factors of greatest importance to the student selecting a college for professional education. The College is housed in a new (1967) building in the Medical Center on the main campus of the University, along with the Colleges of Dentistry, Medicine (including the Schools of Nursing and Allied Medical Professions) and Optometry and has access to the University Hospitals for its instructional purposes. It offers a modern program of professional pharmaceutical education.

CURRICULUM

The undergraduate program leading to the B.S. in Pharmacy is designed to prepare general practitioners for broad practice as well as to offer the student additional specialized work to prepare him/her better for professional practice in community or hospital pharmacy, in the pharmaceutical industry, in government or for graduate study.

Admission to the University is handled by the Admissions Office, whose address is 1800 Cannon Drive, Columbus, Ohio 43210. Telephone (614) 422-3980. Personal conferences to aid the prospective student may be scheduled with an official in the College of Pharmacy. Address inquiries to:

Dr. Frank W. Bope, Assistant Dean
College of Pharmacy
The Ohio State University
500 West 12th Avenue
Columbus, Ohio 43210
(614) 422-2266

The College of Pharmacy has final jurisdiction in the selection of its students.

REQUIREMENTS FOR ENTRANCE

One year of prescribed prepharmacy work must be completed satisfactorily before one can be admitted to the College of Pharmacy. Therefore, high school students planning to enter the College of Pharmacy should apply for admission to University College of The Ohio State University for one year of prepharmacy work.

Information on admission to the University as a freshman can be found in the Bulletin of General Information. High school students may apply after October 1 of the applicant's senior year. Students interested in eventual enrollment in the College of Pharmacy are invited to contact the College for assistance in planning their prepharmacy program. Sixteen units of high school work are required for freshman admission. The following minimum are recommended: four units of English, two units of mathematics, including algebra and geometry; two units of physical science; one unit of biological science; one unit of U.S. history; two units of the same foreign language; four units of additional subjects, including social science.

For admission to the first year class of the College of Pharmacy one year of prescribed prepharmacy courses totaling at least 45 quarter hours or 30 semester hours at The Ohio State University or the equivalent at any other accredited college or university are required; these include the following:

	Qtr Hrs	Sem Hrs
Botany 110 or Zoology 110	5	4
Chem 121,122,123	15	10
English 110	5	3
Math 150,151	10	6
Math 152 or Social Sciences	5	4
Social Sciences	5	3
Total	45	30

Math 152 (2nd qtr of calculus) is a required course.

Applicants with 90 quarter hours or 60 semester hours of credit in prescribed courses may be admitted to the second year class in the College of Pharmacy. A possible second year would include the following:

	Qtr Hrs	Sem Hrs
Chem 241,242,245,246 (Org Chem)	10	8
Physics 111,112,113 (Gen Physics)	15	10
Economics 200 (General Economics)	5	3
Anatomy 200 (Human Anatomy)	5	3
Social Sciences and Humanities	5	3
Microbiology 509	5	3
Total	45	30

Students who plan to take their prepharmacy work at a college or university other than The Ohio State University are urged to contact the College of Pharmacy for guidance in arranging their prepharmacy program.

SELECTION FACTORS

A graduate of an accredited high school who is a resident of Ohio and who has never attended college may be accepted for admission as a regular freshman student in The Ohio State University as enrollment ceilings permit. Out-of-state students who have demonstrated the academic ability to succeed at Ohio State will be considered for admission as freshmen in accordance with available space and resources. Performance in high school, test scores, and recommendations may be evaluated to determine eligibility for admission. Each freshman entering the University for the first time is required to present the results of the American College Test (ACT).

Preference for admission to the first year class in the College of Pharmacy is given to Ohio residents with a minimum cumulative point-hour ratio on prepharmacy work of 2.25 (A=4.0). Preference for admission to the second year class is given to Ohio residents with a minimum cumulative point-hour ratio on prepharmacy work of 2.50. PCAT is required.

THE OHIO STATE UNIVERSITY
COLLEGE OF PHARMACY

ADVANCED PLACEMENT TESTS

The University participates in the advanced placement program of the College Entrance Examination Board. Students who take advanced placement courses in high school may, upon successful completion of an advanced placement examination, receive credit for these courses. Credit and placement are recommended by individual departments of instruction of the University for approval by the college in which the student is enrolled.

FINANCIAL AID

The University and the College of Pharmacy will make every effort to assist financially needy students in several ways.

Scholarships - Outright gifts of money awarded to students on the basis of academic achievement and financial need.

Loans - Grants of money made with the provision that they be repaid.

Work-Study Program - Financial aid to students through employment.

Financial aid programs are administered in the Student Financial Aids Office, 1800 Cannon Drive, Columbus, Ohio 43210. Further information can be obtained from that office and from the Bulletin of General Information.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 First and Second Year Classes (College of Pharmacy)

Filing of formal application by applicant.
  Earliest date: October 1, 1978
  Latest date: May 1, 1979
  Application fee: $10.00 * (if not previously enrolled in the University)
Notification of acceptance by College.
  Usual time from receipt of complete application to acceptance notice: Varies
Other information on 1979-80 classes
  Starting date: September 19, 1979
  Ending Date: June 13, 1980
  Estimated size of class: 115 (1st year); 140 (2nd year)

1980-81 "Projected" First and Second Year Classes (College of Pharmacy)

Filing of formal application by applicant.
  Earliest date: October 1, 1979
  Latest date: May 1, 1980
  Application fee: $10.00 * (if not previously enrolled in the University)
Notification of acceptance by College.
  Usual time from receipt of complete application to acceptance notice: Varies
Other information on 1980-81 classes
  Starting date: September 24, 1980
  Ending date: June 12, 1981
  Estimated size of class: 115 (1st year); 140 (2nd year)

GENERAL COMMENTS ON 1979-80 AND 1980-81 CLASSES

Applicant response to acceptance offer.
  Preferred time for response: 2 weeks
  Maximum time: September 1, 1979; September 1, 1980.
  Acceptance fee to hold place in class: $40.00 (if not previously enrolled in the University) due September 1, 1979 or 1980 (2 weeks if offer after August 1). Acceptance fee non-returnable.

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

Tuition and Fees per year (1979-80)
  Resident: $ 975 *
  Non-resident: 2160 *

Estimated Expenses per year (1979-80)
  Room and Board in Residence Halls (average) $1698 *
  Books and Supplies: 190
  Lab Fee: none

Tuition and Fees per year (1980-81)
  Resident: $ 975 *
  Non-resident: 2160 *

Estimated Expenses per year (1980-81)
  Room and Board in Residence Halls (average) $1698 *
  Books and Supplies: 190
  Lab Fee: none

* The University reserves the right to change fees without advance notice.

UNIVERSITY OF CINCINNATI
COLLEGE OF PHARMACY
2-3 PROGRAM TYPE

GENERAL INFORMATION

The College of Pharmacy of the University of Cincinnati is the first college of pharmacy established west of the Alleghenies. In 1967, the College became a unit of the University of Cincinnati Medical Center and offers a program of academic and professional education drawing from all areas of the University. It is the aim of the College of Pharmacy to provide an educational program which will accomplish the following: (1) offer proper professional educational training to prepare graduates to enter any of the many fields embodied in modern pharmacy with full appreciation of the high ideals characteristic of each; (2) emphasize the proper relationship with fellow pharmacists, allied professions, and patients; and (3) develop full appreciation of the pharmacist's civic and social responsibilities as well as his professional obligations to his local, state, and national pharmaceutical associations.

CURRICULUM

The curriculum has been designed to achieve the aims of the college and to establish a balance between academic theory and practice. Clinical clerkships and a full time externship are required components of the curriculum and provide experiential learning opportunities for the students.

REQUIREMENTS FOR ENTRANCE

Students will be considered for tentative admission after completion of 4 quarters or 3 semesters of prepharmacy course work. To be admitted to the professional program in the College of Pharmacy, a student must complete the following minimum prepharmacy academic requirements with a grade of "C" or better.

(a) Completion of 100 quarter hours or equivalent.
(b) A minimum 2.0 quality point average based on a 4.0 system.
(c) Completion of the following courses or their equivalent. *

Biology	9	Organic Chemistry	9
Biology Lab	6	Organic Chemistry Lab	4
Calculus	9	Bacteriology	3
First Year Chemistry	12	Statistics	3
		College Physics	12
First Year Chemistry Lab	3	College Physics Lab	3
Freshman English	9	Electives **	18

* If a student has completed a required sequenced course in the prepharmacy curriculum in a institution other than the University of Cincinnati and the computed equivalent in quarter hours was not more than one hour per quarter less than the requirement, then the student is considered to have completed the course requirement but must complete the hourly difference in the form of electives. If the difference between the computed equivalent in quarter hours and the requirement is greater than one quarter credit hour per quarter the student has not fulfilled the requirement. One semester credit hour is equivalent to 1½ quarter credit hour.

** In order to be granted the B.S. degree in Pharmacy, a minimum of 38 quarter hour credits of electives must be taken. Of these 38 credits, 27 must be in the general education areas, with at least 9 credits in Humanities and Arts and at least 9 credits in Social and Behavorial Sciences. The remaining 9 general education credits may be in either category and must in part, be upper division courses. The remaining 11 credits may be selected from among any course earning college credit. In order to be considered for admission to the College of Pharmacy at least 18 of these 38 elective credits must be earned and students are encouraged to complete these 18 credits in the general education areas.

SELECTION FACTORS

1. Admission to the University of Cincinnati, College of Pharmacy is selective. In general, an applicant in order to qualify for admission must have scholastic ability and aptitude which would indicate an ability to perform in a professional degree program. The requirements of the pharmacy curriculum are demanding and prospective students are selected recognizing this factor.
2. Completion of prepharmacy academic requirements.
3. The Pharmacy College Admission Test is required.
4. An interview for qualified applicants is required.
5. Through the Admissions Committee, the College of Pharmacy selects eligible applicants on an annual basis within its enrollment limitations. Students will be evaluated by the committee on such factors as student college performance and academic records, adequacy of prerequisites, educational objectives, interviews, letters of evaluation, PCAT scores and residency. The student assumes all responsibilities for providing the college with the appropriate records for evaluation within the time limits set by the college.

Since only one sequence of the required professional courses is offered each year, admission of new students is limited to the Fall quarter. Admission to courses within the professional curriculum are limited to students admitted to the college.

Information for admission to the University and the prepharmacy program can be acquired at the University Office of Admissions, Room 100, French Hall, University of Cincinnati, Cincinnati, Ohio 45221. (513) 475-3420.

Information for the College of Pharmacy can be acquired at the College of Pharmacy, University of Cincinnati, Cincinnati, Ohio 45267 (513) 872-5279.

ADVANCED PLACEMENT TESTS

In its admissions procedure, the University of Cincinnati gives consideration to students who have taken college-level courses in high school under the Advanced Placement Program of the College Entrance Examination Board. Students should request that their records be referred to the Director of Admissions, University of Cincinnati.

FINANCIAL AID

Financial aid in the form of direct gifts and loans for students who are in need of meeting the costs of higher education is available. Information concerning the aid program of the University can be obtained by writing the Director, Student Financial Aid, University of Cincinnati, Cincinnati, Ohio 45221.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 First Professional Year

- Filing of formal application by applicant
  - Earliest date: October 1, 1979
  - Latest date: February 1, 1980
  - Application fee: $25.00
- Notification of acceptance by school
  - Earliest date: March 1, 1979
  - Latest date: September 15, 1979
  - Usual time from receipt of complete application to acceptance notice: Varies
- Other information on 1979-80 Classes
  - Starting date: September 24, 1979
  - Ending date: June 7, 1980
  - Estimated size of class: 75

1980-81 "Projected" First Professional Year

- Filing of formal application by applicant
  - Earliest date: October 1, 1980
  - Latest date: February 1, 1981
  - Application fee: $25.00
- Notification of acceptance by school
  - Earliest date: March 1, 1980
  - Latest date: September 15, 1980
  - Usual time from receipt of complete application to acceptance notice: Varies
- Other information on 1980-81 Classes
  - Starting date: September 29,1980
  - Ending date: June 6, 1981
  - Estimated size of class: 75

GENERAL COMMENTS ON 1979-80 AND 1980-81 CLASSES

- Applicant responses to acceptance offer
  - Preferred time for response: 2 weeks
  - Maximum time: 15 days from date of tentative offer
  - Matriculation fee: $50.00 (non-refundable), due with acceptance notification

EXPENSES PER YEAR FOR 1979-80 CLASSES AND "PROJECTED" 1980-81 CLASSES

Tuition and Fees per year (1979-80) *

Ohio Resident:	Tuition:	$ 810
	Fees:	$ 150
Non-Resident:	N/R Surcharge:	$1320
	Tuition:	$ 810
	Fees:	$ 150

Estimated Expenses per year (1979-80) *

A. Estimated additional education expenses per year

Books and Supplies	$ 200

B. Estimated living expenses

Room and Board (minimum):	$1800
Laundry Fee:	$60.00
Parking Fee: (minimum):	$54.00

Tuition and Fees per year (1980-81) *

Ohio Resident:	Tuition:	$ 810
	Fees:	$ 150
Non-Resident:	N/R Surcharge:	$1320
	Tuition:	$ 810
	Fees:	$ 150

Estimated Expenses per year (1980-81) *

A. Estimated additional education expenses per year

Books and Supplies	$ 200

B. Estimated living expenses

Room and Board (minimum):	$2000
Laundry Fee:	$60.00
Parking Fee: (minimum):	$54.00

*Subject to Change

ESTIMATED INFORMATION ON 1978-79 FIRST YEAR CLASS

Number of Students	Instate	Out-of-State-U.S.	Foreign	Male	Female	Total
	65	10		50	25	75

THE UNIVERSITY OF TOLEDO
COLLEGE OF PHARMACY
0-5 Program Type

GENERAL INFORMATION

The University of Toledo is a state-operated institution which was a municipal university from its founding (1872) until 1967 when it became part of the state system of universities. The College of Pharmacy, founded in 1904, is the oldest of the several colleges on campus. The University of Toledo has two campuses, the Bancroft Street campus on which the College of Pharmacy is located in addition to the Colleges of Arts and Sciences, Education, Engineering, Business Administration, Law and University College and Scott Park campus on which the University Community and Technical College is situated. Approximately two miles from the Bancroft Street campus, the Medical College of Ohio at Toledo is located. The latter was founded by the State in 1966 and although the Medical College is not part of the University of Toledo,a number of departments of the University and the Medical College carry on close cooperation. The College of Pharmacy's Clinical Pharmacy Program is carried on to a large extent in the Medical College Hospital. This has made possible the addition of the contemporary clinical component to the curriculum of the College of Pharmacy and is part of a modern professional program. The College of Pharmacy contains new, fully equipped laboratories, and presents a curriculum reflecting the most current advances in Pharmacy.

CURRICULUM

The philosophy guiding the construction of the curriculum of the College of Pharmacy since its founding has been centered around providing a program of professional education equipping its graduates to enter all phases of Pharmacy. Specialization on the undergraduate level has not been deemed desirable and the emphasis is on the practice of the profession rather than on the site of practice although coursework covers community and hospital pharmacy as well as industrial opportunities. Admission to the University is handled by The Office of Admissions located in Room 3004 of Gillham Hall and all applications for admission and official copies of transcripts should be addressed to The Office of Admissions (telephone: 419-537-2696). Counselors are available in The Office of Admissions for prospective students or the latter may make an appointment with the Dean of Pharmacy:(419-537-2019). Students are registered in the College of Pharmacy for all of the five years although the latter are divided up into the Preprofessional Division (the first two years) and the Professional Division (the last three years). Admission to the Professional Division requires formal application via a form available in the Office of the Dean and is based on the completion of the full year of General Chemistry, the full year of Organic Chemistry,the full year of College Biology,the Mathematics requirement, the Physics requirement, successful completion of a minimum of 90 quarter hours of work and attainment of an adequate cumulative grade point average to place within the top 80 of second year students. Inquiries regarding application for admission should be addressed to: Dean Norman F. Billups
College of Pharmacy
The University of Toledo
Toledo, Ohio 43606
(419) 537-2019

REQUIREMENTS FOR ADMISSION

1. Students still in high school may apply after the beginning of their senior year for admission in the quarter following graduation.
2. Transfer students may apply up to ten months prior to the beginning of the quarter in which admission is sought.

Seventeen units of high school work are required for admission. The following units are required:

English	4 units
History or social science, one unit of which must be American History and civics	2 units
Laboratory science above the freshman year (usually Biology)	1 unit
Chemistry	1 unit
Algebra	2 units
Plane geometry	1 unit

In addition to the above, the following units are recommended:

Typing
Physics
Additional mathematics.

SELECTION FACTORS

1. Students who are State residents and who have graduated from an accredited Ohio high school will be admitted as entering freshmen to the College of Pharmacy upon completion of the proper application procedure and completion of the SAT or ACT. Students with low averages in high school and/or low SAT or ACT scores will be counseled regarding their probability of success in the Pharmacy curriculum. PCAT is not required.
2. Transfer students must have a minimum cumulative grade point average on all college work attempted of 2.0 on a 4.0 scale for admission to the First or Second years.
3. Out-of-state students seeking admission upon graduation from high school must have a minimum score of 450 on each part of the SAT and a minimum grade average of 2.0 (on a 4.0 scale) in their high school work for acceptance.

No transfer student is admitted directly into the Third Year. All transfer students are required to be registered in the College of Pharmacy for successive Fall and Winter quarters, matriculate for at least 12 hours each of those quarters (not including P/NC courses) as a basis for their cumulative grade point average and meet the specific course and hour requirements for the Professional Division.

FINANCIAL AID

Financial aid is handled exclusively by the Office of Financial Aid of the University. The latter is located in Room 3012 Gillham Hall and Mr. Clark Reber is Director of Financial Aid. Students interested in applying for loans or scholarship should write directly to the Office of Financial Aid for information on the application procedure and deadline.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 First Year Class

Filing of formal application by applicant
  Earliest date: October 1, 1978
  Latest date: September 1, 1979
  Application fee: $20.00
Notification of acceptance by the University.
  Approximately 2 weeks following receipt of all application materials (application form, fee, transcripts and SAT or ACT score)
Class
  Starting date: September 24, 1979
  Ending date: June 14, 1980
  Estimated size of class: 85

1980-81 "Projected" First Year Class

Filing of formal application by applicant.
  Earliest date: October 1, 1979
  Latest date: September 1, 1980
  Application fee: $20.00
Notification of acceptance by the University.
  Approximately 2 weeks following receipt of all application materials (application form, fee, transcripts and SAT or ACT score)
Class
  Starting date: September 22, 1980
  Ending date: June 12, 1981
  Estimated size of class: 85

GENERAL COMMENTS ON 1979-80 and 1980-81 FIRST YEAR CLASSES

Applicant response to acceptance offer
  Preferred time for response: 2 weeks
  Deadlines for response: August 1, 1979
  August 1, 1980
  Deposit fee to hold place in class (applies on tuition): $25.00 due May 1, 1979 or 1980

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

1979-80 Freshman Class

Tuition and Fees
  Resident: $952.00
  Non-resident: $2407.00
Room and Board (minimum): $1600.00
Book and Supplies: $200.00
Parking Fee: $51.00

1980-81 "Projected" Freshman Class

Tuition and Fees
  Resident: $952.00
  Non-resident: $2407.00
Room and Board (minimum): $1600.00
Book and Supplies: $200.00
Parking Fee: $51.00

ESTIMATED INFORMATION ON 1978-79 FIRST YEAR CLASS

Number of Students	Instate	Out-of-State, U.S.	Foreign	Male	Female	Total
74	71	3	-	36	38	74

SOUTHWESTERN OKLAHOMA STATE UNIVERSITY
SCHOOL OF PHARMACY
2-3 Program Type

Address inquiries to: Admissions Counselor
School of Pharmacy
Southwestern State University
Weatherford, OK 73096
(405) 772-6611; Ext. 4680

GENERAL INFORMATION

Southwestern Oklahoma State University is located in western Oklahoma and has a student body of approximately 5000. The University provides programs in the arts and sciences, business, commerical art, medical technology, medical records administration, administration of allied health services, pharmacy, teacher education and in many pre-professional areas. Graduate programs are offered in the areas of teacher education, psychology and business administration.

The Southwestern Oklahoma State University School of Pharmacy was founded in 1939 and graduated its first class in 1941. The School is accredited by the American Council on Pharmaceutical Education and is a member of the American Association of Colleges of Pharmacy.

In 1960, the course of study was expanded to a five-year program, including two years of pre-professional study and three years of professional study. To supplement regular classroom and laboratory instruction, the School of Pharmacy, in 1967, pioneered the development of a professional clinical program, which has become a national model. Since 1955, the School has maintained a full academic schedule during the summer term which allows students to elect an accelerated degree plan to allow for earlier graduation. Efforts are continuous to modify and maintain courses of instruction which meet professional requirements and student career options.

The School of Pharmacy is housed in a modern building completed in 1963, and expanded by the addition of a new wing in 1969. Generous grants-in-aid from the Gustavus and Louise Pfeiffer Foundation furnished and equipped the teaching and research laboratories with modern furniture and excellent equipment.

An annex building, designated by Pharmacy II, which houses additional specialized laboratories, was completed in 1976.

CURRICULUM

In accordance with the regulations of the American Council on Pharmaceutical Education, a minium of five academic years of college work is required for completion of the curriculum leading to a Bachelor of Science in Pharmacy degree. The School of Pharmacy curriculum at Southwestern Oklahoma State University is commonly referred to as a two-three program: two years of pre-pharmacy study plus three years of study in the professional program.

The pre-pharmacy course work may be completed at Southwestern, or at any accredited college or university offering pre-pharmacy courses which are reasonably equivalent to those required of pre-pharmacy students at Southwestern.

Even though six semesters of study in residence at Southwestern's School of Pharmacy are normally required to complete professional course work, students may elect an accelerated program to complete the work in less than three years. Since the School maintains a summer program of instruction, and since each summer term is equal to one-half semester, the student may, by careful planning to attend summer terms, complete the curriculum requirements in less than the normally prescribed time. Students interested in such an accelerated program must seek the counsel of assigned faculty advisers to develop and file the required Degree Plan early in their academic careers.

For additional flexibility, the pharmacy curriculum for the third professional (final) academic year is structured into a five-block program. Proper scheduling permits students to complete degree requirements at mid-fall semester and at mid-spring semester, as well as at the end of the fall, spring, or summer terms.

REQUIREMENTS FOR ENTRANCE

Before any student may be considered for admission to the School of Pharmacy, he must first have been admitted to Southwestern Oklahoma State University. Applications for admission to the University, with all required forms, are submitted to the Office of the Registrar. However, all students considering a career in pharmacy are urged to visit the School of Pharmacy and to avail themselves of the counseling services of the Pharmacy Admissions Counselor.

The pre-pharmacy program at Southwestern is open to all high school graduates and college transfer students who have not completed the requirements of the pre-pharmacy curriculum, and who qualify for and obtain admission to the University. Regulations concerning admission to Southwestern Oklahoma State University are listed in the General Catalog of the institution, or may be obtained from the Office of the Registrar.

Students are admitted to the professional program at three separate times annually: at the beginning of the fall, spring, and summer terms. Satisfactory completion of at least sixty semester hours of required pre-pharmacy courses and a grade point average of at least 2.00 are minimum requirements for making application. Applications may be initiated only on forms prescribed by the School of Pharmacy. These forms, along with information on application deadlines, may be obtained from the Pharmacy Admissions Counselor.

SELECTION FACTORS

The faculty and administration of the School of Pharmacy establish the operating policies and methods of selection for the Committee on Admissions, and the guidelines are followed carefully and diligently. Members of the Committee are appointed or re-appointed annually.

The Committee must rely heavily on objective criteria, and each applicant's file contains a great amount of helpful information. Grade averages (science, mathematics, and over-all), consistency of academic performance, American College Test (ACT) or Scholastic Aptitude Test (SAT) scores, character references, physical and emoitional health, and personal objectives and motivations are among the factors considered.

College grades come under close scrutiny. Committee members consider the college attended, recognizing that academic standards vary from school to school and that high grades at some schools represent much greater academic achievement than at others. For this reason, the Committee may weigh or adjust grades from various colleges on the basis of past experience with students from those colleges.

The Committee invites the applicant to appear for an interview if the information in the applicant's files meets a prescribed standard. Interview committees, composed of faculty members, practitioners, and students, make recommendations concerning the candidates. Following the interview sessions, the Committee will review each applicant's file. The Committee holds the final authority to decide whether the candidate should be accepted, rejected or held for further evaluation at a later date.

The School of Pharmacy is interested in selecting the best qualified students available to the School. Bright and creative students with great potential, strong motivation, and evidence of high-level performance are best suited to complete the pharmacy curriculum and become members of the health care team.

ADVANCED PLACEMENT TESTS

Superior performance in the College Level Examination Program, a national system of credit-by-examination, offers people of all ages and backgrounds an opportunity to gain recognition for college-level achievement. Examinations may be taken in any or all of the following areas: biology, business, chemistry, language arts, mathematics, physics, social sciences, teacher education, and psychology.

FINANCIAL AIDS

Expenses for pharmacy students are comparable to those for other students at Southwestern Oklahoma State University. Financial assistance is available from or through the University in the forms of part-time employment, scholarships, grants, and loans. Since it is important for entering students to determine that they are capable of doing satisfactory college work, they are encouraged to provide sufficient funds for their first year without outside employment.

Financial aid programs are coordinated by the Director, Student Financial Aids, and inquiries should be directed to that office.

University funds supply a number of tuition scholarships for entering freshman. Application should be made during the senior year of high school.

Pre-professional students are eligible for participation in various programs administered through the Office of Student Financial Aids. Included are the National Direct Student Loan (NDSL) and the Guaranteed Bank Loan (GBL).

Federally supported grant programs are available, through the Office of Student Financial Aids, to students who demonstrate need. The Basic Educational Opportunity Grant (BEOG) is an example of one program for which students may apply.

Students who demonstrate need may participate in the College Work-Study Program upon approval and certification through the Office of Student Aids.

TIMETABLE OF APPLICATION AND ACCEPTANCE

Deadlines for receiving applications are as follows:

Semester Admission Desired	Deadline
Spring (January)	October 1
Summer (June)	February 1
Fall (August)	February 1

To avoid delay, applicants should file applications in advance of deadline. APPLICANTS WILL NOT BE CONSIDERED FOR ADMISSION UNLESS THE APPLICANTS' FILES ARE COMPLETE BY THE DEADLINE.

UNIVERSITY OF OKLAHOMA
COLLEGE OF PHARMACY
Program Type 2-3

GENERAL INFORMATION

The University of Oklahoma was founded in 1890 by an act of the first legislature of the Territory of Oklahoma. Classes began in 1892, fifteen years before Oklahoma became a state.

During the summer of 1976 the College of Pharmacy relocated from the Norman Campus to the Health Sciences Center Campus (HSC) in Oklahoma City. The colleges of Medicine, Dentistry, Nursing, Health, as well as numerous other health care programs, are presently situated on the HSC Campus. The Veterans Administration Hospital, Presbyterian Hopsital, the University Hospital and Clinics, the Children's Memorial Hospital, and the Oklahoma Medical Research Foundation also lie within the confines of the HSC. The close proximity of these health oriented colleges and schools and the abundance of modern clinical and research facilities affords our students a stimulating environment to pursue their education goals.

CURRICULUM

The curriculum offered by our College comprises a five year plan of study leading to the degree of Bachelor of Science in Pharmacy.

The first two years, or pre-professional years of our program, may be completed on the University of Oklahoma NORMAN campus, or at any other accredited college or university. The last three years, or professional years, are completed at our College on the HSC Campus.

The curriculum is designed to give the student a strong background in the basic and pharmaceutical sciences during his/her early years of study and later years to allow as much time as possible to become acquainted with the practical or clinical aspects of pharmacy while interacting with patients and other health personnel. All students are required to enroll in institutional clerkship courses prior to graduation in order to acquire training in the clinical aspects of pharmacy. Our faculty is well prepared to instruct students in many other specialized areas of practice, such as nuclear pharmacy.

REQUIREMENTS FOR ENTRANCE

Admission to the University of Oklahoma, College of Pharmacy is on a competitive basis. Preference will be given to those who fulfill the following requirements:

Complete a pre-professional course of study comprising a total of 60 semester hours of college credit with an overall average of 2.0 (C) or better. The courses and respective semester hours of credit listed below are those that should be taken if the student attends the University of Oklahoma, NORMAN campus. Those students attending other accredited colleges or universities should take courses similar in subject content, level of instruction, and number of credit hours. The 60 hour requirement may be met by taking electives in the biological, physical and social sciences and the humanities.

English Composition (Eng. 1113 & 1213) 6 hrs.,
United States History (Hist 1483 or 1493) 3 hrs.,
Political Science (Pol. Sci. 1113) 3 hrs.
General Chemistry (Chem.1314 & 1415) 8 hrs & lab
College Algebra (Math 1513) 3 hrs.
Trigonometry (Math 1612) 2 hrs.
Introduction to Calculus (Math 1744) 4 hrs.
Zoology (Zoo 1114) 4 hrs.
Physics (Phys. 2414 & 2424) 8 hrs.
Organic Chemistry (Chem. 3053 & 3153) 8 hrs. & lab
Economics or Accounting (Econ 2113 or Acct 2113)

NOTE FOR 1980-81 APPLICANTS

Listed below are changes and additions to the above pre-pharmacy course requirements which will become effective for applicants to the 1980 fall semester.

1) Calculus I (Math 1823) in place of Intro. to Calculus (1744)
2) Both Econ. 2113 and Acct. 2113 are required
3) Sociology 1113 and Psychology 1113 are required additional courses.

Take the Pharmacy College Admission Test (PCAT) at least 5 months prior to the start of classes for the semester to which application is made.

Arrange for two letters of recommendation to be forwarded to us.

Come to the College at the HSC for an on-campus interview.

Further information regarding entrance requirements or questions relating to application may be obtained by contacting either:

The Office of Student Services (Admissions)
O.U.H.S.C.
P.O. Box 26901
Oklahoma City, OK 73190

Phone (405) 271-2347

or, if planning to attend pre-pharmacy on the NORMAN Campus:

Health Professions Counseling Office
625 S. Elm Room 303
Norman, Oklahoma 73069
Phone (405) 325-2321

SELECTION FACTORS

The single most important factor that members of the admissions committee consider when reviewing the applicant's credentials is his/her scholastic performance in pre-professional coursework. Other factors considered are PCAT results, interview, and reference letters.

ADVANCED PLACEMENT TESTS

There are two ways for students to earn advanced standing credits; for further information contact the College of Pharmacy, University of Oklahoma.

FINANCIAL AID

John Smith
Office of Financial Aids
Service Center
O.U.H.S.C.
P.O. Box 26901
Oklahoma City, Oklahoma 73190

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 Freshman Class

Filing for formal application by applicant.
- Earliest date: Sept. 1, 1978
- Latest date: May 1, 1979

Notification of acceptance by school
- Earliest date: Sept. 1978
- Latest date: July 15, 1979

Class
- Starting date: Aug. 27, 1979
- Ending date: May 10, 1980
- Estimated size of class: 100

1980-81 "Projected" Freshman Class

Filing for formal application by applicant.
- Earliest date: Sept. 1, 1979
- Latest date: May 1, 1980
- Application fee: nonresident $15.00)
  (resident $10.00)

Notification of acceptance by school.
- Earliest date: Sept. 1979
- Latest date: July 15, 1980

Class
- Starting date: Aug. 25, 1980
- Ending date: May 9, 1981
- Estimated size of class: 100

GENERAL COMMENTS ON 1979-80 and 1980-81 FIRST YEAR CLASSES

Applicant response to acceptance offer.

Preferred time for response:	Two weeks
Deadline for Response:	Four weeks

Deposit ($50.00) required to hold place in class: due at time of acceptance.

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

1979-80 Freshman Class

Tuition and Fees	
Resident: variable, 17.50-20.75 per cr. hr.	
Non-resident: variable, 50.75-60.75/ per cr. hr.	
Room and Board (minimum):	1500.00
Books and Supplies:	300.00
Lab Fees:	40.00
Other Required Expenses	25.00

1980-81 "Projected" Freshman Class

Tuition and Fees	
Resident:	17.50
Non-resident:	50.75
Room and Board (minimum):	1600.00
Books and Supplies:	300.00
Lab Fees:	40.00
Other Required Expenses	25.00

ESTIMATED INFORMATION ON 1978-79 FIRST YEAR CLASS

Number of Students	Instate	Out-of-State, U.S.	Foreign	Male	Female	Total
100	56	29	15	69	31	100

OREGON STATE UNIVERSITY
SCHOOL OF PHARMACY

PROGRAM TYPE - 2-3

GENERAL INFORMATION

The School of Pharmacy is one ot ten schools that comprise Oregon State University. Since 1925, it has occupied the Pharmacy Building, which was designed and constructed specifically for pharmaceutical education. During 1965-1966, an extensive remodeling and rebuilding program was concluded. Today the Pharmacy School is one of the five professional schools at Oregon State University.

CURRICULUM

The undergraduate program in pharmacy leading to the degree of Bachelor of Science or the Bachelor of Arts is designed to prepare pharmacists for general practice within the profession of pharmacy. The curriculum is designed so that a student may enter as a freshman, sophomore, or junior. The undergraduate program in pharmacy is five academic years and is divided into two separate parts, a prepharmacy program of two academic years and a professional pharmacy program of three academic years.

Admission to the University is effected through the University Admissions Office. The Office of Admissions for Oregon State University is located in the Administrative Services Building, Corvallis, Oregon 97331. Telephone: (503)-754-1411. Admission counselors are available in the Office of Admissions for personal conferences to aid the prospective student. Also, the School of Pharmacy has advisers available for consultation.

Address inquiries to:

School of Pharmacy
Oregon State University
Corvallis, OR 97331
(503)-754-3725

REQUIREMENTS FOR ENTRANCE

Pre-Pharmacy Program

The pre-pharmacy program is a minimum of ninety (90) quarter credits and is designed to prepare a student for the three-year professional pharmacy program that follows. A copy of the curriculum for the pre-pharmacy program may be obtained by writing the School of Pharmacy. Students may complete the pre-pharmacy program at Oregon State University or at any accredited university or college in the United States. During the second year of the pre-pharmacy the student must make formal application for admission to the three-year professional pharmacy program. Further information on admission to the University is obtained from the Office of Admissions printed in the University Bulletin.

Professional Pharmacy Program

Admission of students to the three-year professional pharmacy program is limited. The basic requirement is completion of the prescribed pre-pharmacy program. Admission will be based on the scholastic achievement during the first two years of college or university work combined with the Pharmacy College Admission Test (PCAT) and letters of recommendation. Forms and information may be obtained by writing the School of Pharmacy, Admissions Committee.

The required pre-professional courses and their quarter units are; General Chemistry (15), English Composition (3), Organic Chemistry (10), Biological Sciences (10), Microbiology (5), General Physics (8), Calculus (4), Communications Skills (6), Psychology (6), Sociology (6), and General Economics (8).

SELECTION FACTORS

Pre-pharmacy Program

1. Admission to Oregon State University as a freshman or as a sophomore has no enrollment limitation. Graduates of accredited Oregon high schools who present an average gpa of 2.5 or better are admissable. Applicants whose qualifications are in doubt may be given an opportunity to take the College Entrance Board's Scholastic Aptitude Test (SAT). The result of the examination will be reviewed with the total application before a final decision is made on admissibility.

2. Graduates of out-of-state high schools are required to have a gpa of 2.75 or better and to submit College Entrance Examination Board Scholastic Aptitude Test (SAT) scores as part of their application.

3. Applicants who are at least 21 years of age and who lack high school diplomas should consult with the admissions counselor.

Professional Pharmacy Program

1. The professional pharmacy program has a limited enrollment. Selection of qualified applicants is based upon the following;
   a. Ability in communicative skills.
   b. Cumulative grade point average in required pre-professional courses.
   c. Evaluation of letters of recommendation.
   d. Performance in biology, chemistry, mathematics, and physics.
   e. Pharmacy College Admissions Test (PCAT) results.

ADVANCED PLACEMENT TESTS

Entering freshman who demonstrate unusual competence in scholastic pursuits are provided with special academic opportunities.

1. Advanced placement or credit may be granted to entering freshman who have completed college-level work and who have satisfactorily completed the College Board Advanced Placement Examinations during their senior year.

2. Students with special competence in specific academic areas may apply on campus for a departmental examination which may qualify them for advanced placement or credit in that department.

FINANCIAL AID

Information concerning all of the aid programs of the University can be obtained from the Financial Aids Office, Oregon State University, Corvallis, OR 97331.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 Freshman Class

Filing for formal application by applicant.
    Earliest date: any time.
    Latest date: 5 September 1979.
Notification of acceptance by school- varies
Class
    Starting date: 5 September 1979
    Ending date: 9 June 1979
    Estimated size of class: 100

1979-80 First Year Professional (Junior) Class

Class limited to 110 students.
Filing of formal application.
    Earliest date: 1 October 1978
    Latest date: 15 March 1979
    Application fee (University): $10
    Refundable Advanced Tuition deposit (School of Pharmacy): $75

1980-81 "Projected" Freshman Class

Filing for formal application by applicant.
    Earliest date: any time.
    Latest date: 5 September 1980
    Application fee: $10
Notification of acceptance by school.
    Earliest date: varies.
    Latest date: varies.
Class
    Starting date: 29 September 1980
    Ending date: 13 June 1981
    Estimated size of class: 100

GENERAL COMMENTS ON 1979-80 AND 1980-81 FIRST YEAR (JUNIOR) CLASSES

Applicant response to acceptance offer.
    Preferred time for response : 2 weeks.
    Deadline for response: Tentative admission, 1 May; Final, 1 July.

Deposit required and refund if applicant withdraws acceptance: $75 (applies to tuition if accepted); 2 weeks after notice.

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

1979-80 Freshman Class

Tuition and Fees
    Resident: $796/year
    Non-resident: $2634/year
Room and Board (minimum): $1424/year
Books and Supplies: $250
Lab Fees: $25
Other Required Expenses: variable

1980-81 "Projected" Freshman Class

Tuition and Fees (estimated)
    Resident: $865
    Non-resident: $2897
Room and Board (minimum): $1490
Books and Supplies: $275
Lab Fees: $25
Other Required Expenses: variable

ESTIMATED INFORMATION ON 1978-79 FIRST YEAR (JUNIOR) CLASS

Number of Students	Instate	Out-of-State, U.S.	Foreign	Male	Female	Total
110	84	20	6	77	33	110

DUQUESNE UNIVERSITY
SCHOOL OF PHARMACY
0-5 Program Type

GENERAL INFORMATION

Plans for establishing a School of Pharmacy were instituted in 1911, when the charter of the University was amended and authority obtained to grant degrees in Pharmacy. On April 20, 1925, the final work of organizing the School of Pharmacy was completed. The first class was received September 21, 1925.

CURRICULUM

The School of Pharmacy offers a Bachelor of Science degree in Pharmacy upon completion of the undergraduate professional program. The first two years encompass many courses offered by the College of Liberal Arts and Sciences in addition to several professional courses. The latter three years of professional study are taught by the pharmacy faculty with electives being available from both that faculty and the College of Liberal Arts and Sciences. Students are enrolled in the School of Pharmacy for all years. Transfer students are enrolled according to qualifications up to the start of the third year of the five year sequence.

The Doctor of Pharmacy degree (Pharm.D.) is offered to qualified superior students who have earned the Baccalaureate Degree in Pharmacy or its equivalent upon completion of study for professional practice. The current program is concentrated in the area of Hospital Pharmacy and is designed to develop professional competency in that field. In cooperation with Mercy Hospital, Pittsburgh, PA, the School of Pharmacy offers a four-year program leading to a Bachelor of Science degree in Medical Technology. Graduates from the program are eligible for the National Examinations conducted by the Board of Registry of Medical Technologists. Since 1972 the School of Pharmacy offers a four year program leading to a Bachelor of Science degree in Radiological Health. Graduates from the program qualify for positions of health physicist in many facilities using radioactive isotopes.

Admission to the University is effected through the Office of Admissions, Duquesne University, Pittsburgh, PA, 15219. Telephone (412) 434-6220. Admissions counselors are available in the Office of Admissions for personal conferences to aid prospective students. The faculty of the School of Pharmacy are available for interviews and tours of the facilities. Upon admission to the School of Pharmacy, each student is assigned a faculty advisor who assists the Dean and Assistant Dean with the total advisement of all students.

Send inquiries to or call: (412) 434-6380

Dean, School of Pharmacy
Duquesne University
Pittsburgh, PA 15219

REQUIREMENTS FOR ENTRANCE

1. Application for admission may be submitted at any time during the candidate's senior year up to July 1. It is suggested that the application for admission to Duquesne University be initiated by November of the senior year.
2. The student wishing to transfer from another college or university must have transcripts of his complete high school and college records forwarded to the office of admissions early in the last term prior to the admission. Applicants for second or third year should apply in writing by December 1 of the year preceding their intended enrollment.
3. A plan exists whereby an unusually able and mature candidate who has completed less than four years of the secondary high school program may apply for consideration to begin college after his junior year in the secondary school. The diploma is awarded following successful completion of the freshman year in college. Inquire about the Early Admission Plan.

The applicant's high school curriculum must include a minimum of sixteen units distributed in the following manner:

English	4 units required
Math & Science	7 total units required
Social Studies	3-4 units recommended
Language	2 units recommended

SELECTION FACTORS

1. A candidate must have been graduated from an approved secondary school in the upper 3/5ths of the class, and must have demonstrated exemplary personal conduct in that institution. Applicants who have not completed four years of high school must submit a High School Equivalent Diploma issued by the PA Department of Education.
2. A candidate must present satisfactory scores on the required College Entrance Examination Board Scholastic Aptitude Test in accordance with the standards of Duquesne University. In addition, students are advised to take specific Achievement Tests which are used for purposes of placement. The Achievement Tests recommended for Pharmacy students include: English Composition, Level I or Level II Mathematics and Chemistry.
3. It is the personal responsibility of the candidate to make application for the College Entrance Examinations at least five weeks prior to the date on which he wishes to have them administered, and to take steps to insure that the results of the examinations will be forwarded to Duquesne University. No application is eligible for processing or consideration by the Committee on Admissions unless the Scholastic Aptitude Test scores have been received. Applicants for these examinations should apply directly to: College Entrance Examination Board, Box 592, Princeton, NJ 08540.
4. Pharmacy College Admission Test - not required at this time.

DUQUESNE UNIVERSITY
SCHOOL OF PHARMACY

ADVANCED PLACEMENT TESTS

Students who have followed the College Entrance Examination Board college level program in the secondary schools and have performed satisfactorily in the advanced placement examinations are eligible for advanced placement. Duquesne University grants credit as well as placement for the achievements that merit such consideration. The subjects included in the program are English Composition, history, languages, Latin, mathematics, physics, chemistry, biology. Credit will be given on an advanced placement score determined by the University. The student must request that the scores be sent to the University.

FINANCIAL AID

Duquesne University desires to assist all students who require financial assistance in order to continue their education. In an effort to meet this goal, the University has established a student aid program which includes: scholarships, grants, loans, and part-time employment. Assistance of all types is based on financial need. Although certain standard methods are employed, each applicant is considered individually and adjustments are made to meet each student's particular circumstances. Financial aid is awarded on a year to year basis. Students must annually reapply and applications are evaluated based on academic progress and continued financial need and eligibility.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 Freshman Class

Filing of formal application by applicant
  Earliest date: September 1, 1978
  Latest date: July 1, 1979

Notification of acceptance by school
  Earliest date: November 1, 1978
  Latest date: July 1, 1979
  Usual time from receipt of complete application to acceptance notice: 3 weeks
Class
  Starting date: August 25, 1979
  Ending date: May 7, 1980
  Estimated size of class: 170

1980-1981 "Projected" Freshman Class

Filing of formal application by applicant
  Earliest date: September 1, 1979
  Latest date: July 1, 1980
  Application fee: $20.00
Notification of acceptance by school
  Earliest date: November 1, 1979
  Latest date: July 1, 1980
  Usual time from receipt of complete application to acceptance notice: 3 weeks
Class
  Starting date: August 30, 1980 (estimated)
  Ending date: May 8, 1981 (estimated)
  Estimated size of class: 170

GENERAL COMMENTS ON 1979-1980 AND 1980-1981 FIRST YEAR CLASSES

Applicant response to acceptance offer:
  Preferred time for response: 2 weeks
  Deadline for response: August 1, 1979
    August 1, 1980
  Deposit fee to hold place in class (applies to tuition): $100.00, due with acceptance response.
  Deadline for cancellation of acceptance (deposit refundable prior to this date): nonrefundable.

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

1979-80 Freshman Class

Tuition and Fees
  Resident: $3,700
  Non-resident: $3,700
Room and Board (minimum): $1,500
Books and Supplies: $150.00
Lab Fees: $80.00
Other Required Expenses:

1980-81 "Projected" Freshman Class

Tuition and Fees
  Resident: $4000
  Non-resident: $4000
Room and Board (minimum): $1600
Books and Supplies: $150.00
Lab Fees: $80.00
Other Required Expenses:

ESTIMATED INFORMATION ON 1978-1979 FIRST YEAR CLASS

Number of Students	Instate	Out-of-State, U.S.	Foreign	Male	Female	Total
170	100	68	2	70	100	170

PHILADELPHIA COLLEGE OF PHARMACY AND SCIENCE

PROGRAM TYPE - 0-5

GENERAL INFORMATION

The Philadelphia College of Pharmacy and Science is a small independent educational institution with a total enrollment of approximately 1,100. Founded in 1821, it is the oldest college of pharmaceutical sciences in America. The founding meeting of the College was held in historic Carpenters' Hall in Philadelphia and the first classes were conducted in rented quarters in nearby German Society Hall. In 1832 the College erected its own buildings and in subsequent years occupied progressively larger quarters in downtown Philadelphia until 1928, it moved to its present location in University City in West Philadelphia. The present campus now comprises ten buildings located in the area of 43rd Street and Kingsessing Mall.

From the beginning while the College emphasized biological and chemical sciences as major courses in the curriculum in pharmacy, it was known as the Philadelphia College of Pharmacy. Later, separate curriculums in bacteriology, in biology, and in chemistry were also instituted, and this led to the changing of the name in 1921 to the Philadelphia College of Pharmacy and Science with State authorization to grant not only the Bachelor of Science degree but the Master's and the Doctorate. In 1965 a baccalaureate program in medical technology was instituted, and a professional program leading to the degree of Doctor of Pharmacy was inaugurated in 1967. Beginning in the fall of 1979, a baccalaureate program in Toxicology will be offered at PCPS.

CURRICULUM

The undergraduate program in pharmacy leading to the degree of Bachelor of Science in Pharmacy extends over a period of five academic years. The first two years include basic science subjects and the humanities and are preprofessional in nature, while the third, fourth and fifth years of the curriculum encompass principally professional subjects. Students may transfer into the pharmacy curriculum at PCPS utilizing credits from other colleges or universities but a minimum of three years of resident study for a degree in pharmacy is observed regardless of the nature or extent of the previous non-pharmacy academic program. An Admissions Committee considers all completed applications for admission. The Registrar's Office of the College will supply information and application forms and will counsel those who are seeking information about admission directly from high school or by transfer from another college or university.

Address inquiries to: Richard C. Kent, Registrar
Philadelphia College of Pharmacy and Science
43rd Street and Kingsessing Mall
Philadelphia, PA 19104
(215) EV-6-5800

REQUIREMENTS FOR ENTRANCE

PCPS seeks students whose interests, aptitudes and achievements excel in the sciences and mathematics and who are motivated to professional study. High school subjects required for admission are: English, 4 credits; American history, 1 credit; social science or history, 1 credit; mathematics, at least 3 credits; science, at least 3 credits; and additional academic subjects, preferably mathematics, science and language, to total 16 credits. Scores from the Scholastic Aptitude Test conducted by the College Entrance Examination Board are required; scores from achievement tests in mathematics and in two sciences are suggested. Those seeking admission to the College may do so on the strength of a three-year high school record, a three-and-a-half-year high school record, or the complete four-year record. Tentative acceptances based on incomplete secondary school records are subject to satisfactory final grades and graduation from the high school. Applications are considered by the Admissions Committee until the entering class roster has been completed. Upon the terms of this rolling admissions policy, applicants are notified of the Admissions Committee decision within two weeks after the College has received all of the required admissions data, and must, in turn, post a tuition deposit within two weeks after acceptance. Those seeking admission as transfer students must supply, in addition to the above, transcripts of all prior college work.

SELECTION FACTORS

In passing upon an application, the Admissions Committee observes several criteria, among them the subject matter completed by the applicant in high school; the grades obtained in those subjects; rank in class; recommendation by the high school authorities; College Board scores; and motivation. The Pharmacy College Admission Test (PCAT) is not required for admission to PCPS. An interview may be requested. The Philadelphia College of Pharmacy and Science admits students of any sex, age, handicap, race, creed, color, or national origin to all the rights, privileges, programs, and activities generally accorded or made available to students at the College. It does not discriminate on these bases in administration of its educational policies, admissions policies, scholarship and loan programs, and athletic and other College administered programs. This College policy--which complies with the requirements of Title IX of the Educational Amendments of 1972 (45 CFR 86), Section 504 of the Rehabilitation Act of 1973, and other applicable statutes and regulations--extends to employment. Inquiries concerning the application of any of these policies may be referred to Mr. Robert S. King, Compliance Coordinator.

ADVANCED PLACEMENT

The College participates in the Advanced Placement (AP) program. Credits may only be granted in related non-laboratory instructional areas.

FINANCIAL AID

Currently more than 50 percent of the undergraduates at PCPS receive financial assistance from funds administered by the College. An additional 20 percent receive financial assistance from other sources. Types and sources of aid for pharmacy majors include health professions loans; National Direct Student Loans; the federal College Work-Study Program; PCPS scholarships, student employment, endowed loan funds, deferred tuition payment plans, loans granted through Pennsylvania, New Jersey, and New York State Higher Education Assistance agencies, and scholarships received from states, municipalities, service clubs, etc.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 Freshman Class

Filing for formal application by applicant.
Earliest date: September 1, 1978
Latest date: Varies, approx. March 1979
Application fee: $15.00
Notification of acceptance by school.
Earliest date: Within 1 month of receipt of all credentials.
Latest date: When classes are filled.
Class
Starting date: September 4, 1979
Ending date: May 13, 1980
Estimated size of class: 200

1980-81 "Projected" Freshman Class

Filing for formal application by applicant.
Earliest date: June 30, 1979
Latest date: Varies, approx. March 1980
Application fee: $15.00
Notification of acceptance by school.
Earliest date: Within 1 month of receipt of all credentials.
Latest date: When classes are filled.
Class
Starting date: September 2, 1980
Ending date: May 15, 1981
Estimated size of class: 200

GENERAL COMMENTS ON 1979-80 AND 1980-81 FIRST YEAR CLASSES

Applicant response to acceptance offer.
Preferred time for response: Two weeks from date of acceptance.
Deadline for response: Six weeks from date of acceptance.
Deposit required and refund policy if applicant withdraws acceptance:

$100 deposit; $50.00 refunded if college is notified prior to ten days from the beginning of the academic term.

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

1979-80 Freshman Class

Tuition and Fees
Resident: $2800
Non-resident: $2800
Room and Board (minimum): $850
Books and Supplies: Approximately $200
Lab Fees: NONE
Other Required Expenses: NONE

1980-81 "Projected" Freshman Class

Tuition and Fees
Resident: $2800
Non-resident: $2800
Room and Board (minimum): $850
Books and Supplies: Approximately $200
Lab Fees: NONE
Other Required Expenses: NONE

INFORMATION ON 1978-79 FIRST YEAR CLASS

Number of Students	Instate	Out of State, U.S.	Foreign	Male	Female	Total
193**	121	68	4	100	93	193

*The College reserves the right to change fees at any time.

** Estimated Figure

TEMPLE UNIVERSITY
SCHOOL OF PHARMACY
2-3 Program Type

GENERAL INFORMATION

Temple University, with over 40,000 students, is one of the largest universities in the country. Located in one of America's great metropolitan centers it is called upon to serve a multitude of students seeking various forms of higher education suited to their needs and to the needs of the society. This has been its consistent purpose since its founding in 1884 by Russell H. Conwell, internationally-known lecturer and author of "Acres of Diamonds," who conceived of the University as dedicated to the ideal of educational opportunity for the able and deserving student of limited means. Its development, in line with this original intent has given Temple University something of the character of a public institution. The course of pharmacy leading to the degree of Graduate in Pharmacy was established at Temple University in 1901. At that time the degree was offered for two years of day instruction or three years of evening study. The night school was discontinued in 1918. Beginning in 1925, students were matriculated for a three year course and in 1932 a four year program was initiated leading to the degree of Bachelor of Science in Pharmacy. Since 1960 a five year program of study has been in effect which consists of two pre-professional years and three years of study in the School of Pharmacy leading to the B.S. Degree.

Graduate courses have been offered by the School of Pharmacy since its earliest years of existence. Earlier programs of graduate study led to the degrees of Pharmaceutical Chemist (Ph.C.) or Doctor of Pharmacy (Pharm.D.). Present graduate programs lead to the advanced degrees of Master of Science (M.S.) and/or Doctor of Philosophy (Ph.D.)

CURRICULUM

Dramatic changes in the practice of pharmacy and the scientific aspects of drug therapy have necessitated substantial changes in the curriculum of the School of Pharmacy. The present curriculum was adopted after a careful study of observable trends in professional practice and their probable implications for the future. The new program provides maximum opportunity for the student to benefit from a variety of educational experiences both in preprofessional and professional segments of the curriculum. Students who choose to pursue their preprofessional education at Temple University enroll as pre-pharmacy students in the College of Liberal Arts of Temple University, or any other liberal arts, junior or teachers' college of choice, for a two-year period. Sufficient core requirements exist to insure that the graduate will be prepared to fulfill the obligations of professional practice and continue with graduate work if desired. Flexibility permits selection of elective courses related to a particular career objective or major professional interest.

REQUIREMENTS FOR ENTRANCE

Applicants must complete two years of preprofessional study in an accredited college of arts and sciences to satisfy admission to the School of Pharmacy. Prior to admission to the preprofessional institution the student necessarily should have completed a four year secondary school program. Application to the School of Pharmacy may be made upon completion of the first preprofessional college year and provisional acceptance may be granted at the same time. Notification of final acceptance will not be confirmed until the second year transcript of collegiate study has been received. The pre-pharmacy collegiate program of study must total a minimum of 60 semester hours. A suggested preprofessional curriculum follows and may be considered as a guide for students registered in a liberal arts, junior, community or teachers' college.

First Year

General Chemistry (lecture & laboratory)	7 - 9 s.h.
*General Biology (lecture & laboratory)	7 - 9 s.h.
English	6 s.h.
**Mathematics (calculus)	3 or 6 s.h.
+Electives	2 - 4 s.h.

Second Year

Organic Chemistry (lecture & laboratory)	7 - 9 s.h.
++Physics (lecture & laboratory)	7 - 9 s.h.
#Introductory Economics	3 s.h.
+Electives	9 -12 s.h.

*This course should include an introduction to plant and animal life.
** Achievement through differential and integral calculus is required. Met by a single semester of calculus for majors in physical science or by two semester of a less rigorous sequence designed as a terminal course.
+Cultural, social and/or behavioral sciences such as psychology, sociology, philosophy, etc.
++A non-calculus physics course fulfills requirement.
#Macroeconomics preferred but microeconomics is acceptable.

SELECTION FACTORS

The School of Pharmacy conducts a rolling admission policy giving priority to the earliest qualified applicants. The Committee on Admissions selects applicants on the bases of collegiate records and interviews upon invitation. Letters of recommendation are optional. The Pharmacy College Admission Test is not required at this time. Although the majority of students in the School of Pharmacy are Pennsylvania residents, superior students from other states and foreign countries are encouraged to apply. The School of Pharmacy accepts students on the bases of their ability and character and once young men and women complete their pharmacy education there are numerous opportunities awaiting them dependent upon their skills, interests, experiences, and desires...not their race or religion.

ADVANCED PLACEMENT TESTS

Advanced placement tests are normally administered to high school students seeking advanced credit upon admission to a liberal arts institution and since students do not enter Temple University School of Pharmacy until two years of liberal arts have been completed, advanced placement tests are not part of admissions procedure. Students holding pharmacy degrees from foreign institutions may apply for advanced placement thru an annual placement examination which is administered in the month of June and includes testing in six departmental areas.

FINANCIAL AID

Applications for financial assistance are issued to students who have expressed the need for financial assistance and who have been granted admission to the School of Pharmacy.

A single financial aid application will make a student eligible for numerous government grants, University grants, scholarships and loans, as well as other miscellaneous private scholarships and awards. Information concerning the financial aid program of Temple University may be found in the Bulletin of Temple University.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-1980 First Year Class

Filing of formal application by applicant
  Earliest date: Anytime following completion of first year of liberal arts
  Latest date: August 15, 1979
  Application fee: $15.00

Notification of acceptance by school
  Earliest date: Minimum two weeks following receipt of application and first year pre-pharmacy transcript.
  Usual time from receipt of complete application to acceptance notice: Varies

Other information on 1979-1980 1st Year Class
  Starting date: September 5, 1979
  Ending date: May 9, 1980
  Estimated size of class: 130

1980-1981 "Projected" First Year Class

Filing of formal application by applicant
  Earliest date: Anytime following completion of first year of liberal arts
  Latest date: August 15, 1980
  Application fee: $15.00

Notification of acceptance by school
  Earliest date: Minimum two weeks following receipt of application and first year pre-pharmacy transcript.
  Usual time from receipt of complete application to acceptance notice: Varies

Other information of 1980-1981 1st Year Class
  Starting date: September 3, 1980
  Ending date: May 8, 1981
  Estimated size of class: 130

GENERAL COMMENTS ON 1979-80 AND 1980-81 FIRST YEAR CLASS

Applicant response to acceptance offer
  Preferred time for response: 15 days
  Deposit fee to hold place in class (applies on tuition): $100.00, due within 30 days following letter of acceptance
  Deadline for cancellations of acceptance: Deposit is not returnable

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

Single Student	In State*		Out of State*	
	Commuter	Resident	Commuter	Resident
Pharmacy Tuition	$2,000	$2,000	$3,400	$3,400
Books & Supplies	250	250	250	250
Living Expenses and Transportation	1,300	2,832	1,500	2,832

INFORMATION On 1977-78 FIRST YEAR CLASS

Number of	Instate	Out-of-State, U.S.	Foreign	Men	Women	Total
Students	108	18	7	85	48	133

*Subject to Change

UNIVERSITY OF PITTSBURGH
SCHOOL OF PHARMACY
1-4 Program Type

GENERAL INFORMATION

The Pittsburgh College of Pharmacy was founded in 1878 and chartered under the laws of Pennsylvania. In 1896, the Pittsburgh College of Pharmacy became the School of Pharmacy of the Western University of Pennsylvania and in 1908, of the University of Pittsburgh. In 1908, the Scio College of Pharmacy merged with the School. On January 26, 1948, the merger with the University was made complete. At that time the school became, legally, the School of Pharmacy of the University of Pittsburgh, and all of its activities have since been integrated with the University. From an abridged and intensive two-year course (Graduate in Pharmacy), requirements were increased consistently until 1960, when a five-year plan leading to the degree of Bachelor of Science in Pharmacy was adopted.

The School of Pharmacy is located in Oakland, the cultural center of Pittsburgh. It is a part of the University Health Center of Pittsburgh which includes the other Schools of the Health Professions: Medicine, Dental Medicine, Nursing, Public Health and Health Related Professions; and the affiliated hospitals: Presbyterian-University, Children's, Eye and Ear, Montefiore, Magee-Womens, and the Western Psychiatric Institute and Clinic. Collectively, these facilities provide one of the nation's greatest, most complete health centers for teaching, patient care, and research in the health sciences. Instruction for the professional courses in the School of Pharmacy is given mainly in the Alan Magee Scaife Hall of the Health Professions and in Salk Hall. The Drug Information Center of the School is located in Lothrop Hall.

CURRICULUM

The pharmacist's role goes far beyond that of the compounding and distribution of medicinals. Pharmacists are now becoming clinically involved with patients either in the community or institutional setting. The pharmacist is an important source of information to the physician, the nurse, the dentist, other health practitioners, and to the public as a whole, on matters relating to the selection, proper use, formulation, storage, and administration of the various dosage forms of drugs which are administered to or used by patients. The pharmacist is currently the only member of the health professions team who has the educational background and experience to serve as a therapeutic consultant. The curriculum has been developed with the above in mind. The total program involves ten terms of college work. During eight of these terms, students are enrolled in the School of Pharmacy, entering after two terms of prescribed liberal arts studies. Additional liberal art elective courses are taken while enrolled in the School of Pharmacy. The present curriculum has been designed to permit students to begin taking courses in order to gain a working knowledge of the scientific and theoretical aspects of pharmacy prior to the final year of the curriculum. This knowledge is then put to use in the fifth year of the program, when one entire term of work is devoted to full time supervised activity in clinical clerkship in the several hospitals of the University Health Center of Pittsburgh, and in structured internship in selected community and Hospital Pharmacies in Western Pennsylvania. Also, the final year can be utilized to take elective courses designed to meet the needs of the student who wishes to prepare for certain specialized areas of pharmaceutical practice.

Address inquires to: Office of the Dean
School of Pharmacy
University of Pittsburgh
1103 Salk Hall
Pittsburgh, PA 15261
Telephone: (412)624-3272

REQUIREMENTS FOR ENTRANCE

Applicants for admission to courses leading to the Bachelor of Science in Pharmacy degree must possess a preliminary education equivalent to the completion of four years' instruction in an approved high school or academy, and they must be enrolled in an accredited liberal arts college at the time of application to the School of Pharmacy, or they must have completed successfully the following courses which are required for admission in the School of Pharmacy:

English Composition	6 credits
General Chemistry	8 credits
General Biology	8 credits
Mathematics	3 credits
Economics	3 credits
Public Speaking (Speech)	3 credits
Humanities Elective	3 credits
Physical Education or Military Science	2 terms

These courses are equivalent of at least one year of college work. Applicants who have not completed all of the courses listed above can be considered for admission provided that they are enrolled currently in an accredited college have the intention of completing all of these courses prior to beginning the pharmacy curriculum. Such applicants, however, must have completed a significant number of these courses so that the admissions committee will have some basis for estimating the ability of the applicant for successfully pursuing college level work. A formal interview with faculty of the School is required prior to admission.

SELECTION FACTORS

Admission to the University of Pittsburgh School of Pharmacy is based largely on (1) academic performance in the Pre-Pharmacy courses (2) scores on the College Entrance Examination (3) academic performance in High School, and (4) the outcome of the interview. All applicants for admission to a degree program at the University of Pittsburgh are required to submit the results of the College Entrance Examination. This examination is given several times each year in a number of centers throughout the United States and abroad. All candidates for admission to the School of Pharmacy are required to submit scores on the Scholastic Aptitude Test (morning program). This test is administered at specific times during January, February, March, and May. The School of Pharmacy reserves the right to refuse admission to any applicant whose test record indicates that he is not prepared adequately, even though he may meet other entrance requirements herein.

The University of Pittsburgh School of Pharmacy does not require the Pharmacy College Admission Test (PACT) at this time.

FINANCIAL AID

The University offers four types of financial aid: scholarships, grants-in-aid, tuition loans, and student employment. In making awards, the Committee on Scholarships and Student Aid will consider, on a comparative basis, the scholastic attainment, character, and leadership potential of each applicant. Stipends are established in accordance with individual financial needs.

The Office of Student Aid, 111 Schenley Hall, is the University agency for central administration of scholarship and tuition loan funds. The Office also cooperates with the University Placement Service in procuring student employment for students having substantial need. The staff of the Office of Student Aid is available to assist students in making realistic plans for meeting the cost of their education. Further details are available in a brochure, Financial Aid and the University of Pittsburgh, which may be obtained by addressing the Office of Student Aid, 111 Schenley Hall, University of Pittsburgh, Pittsburgh, PA 15260

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 Second Year Class (First Professional Year)

Filing of formal application
  Earliest date: September 1, 1978
  Latest date: January 31, 1979
  Application fee: $15.00
Notification of acceptance by School
  Earliest date: March 15, 1979
  Latest date: July 31, 1979
Other information on 1978-79 First Professional Year Class
  Starting date: September 5, 1979
  Ending date: April 20, 1980 (tentative)
  Estimated size of class: 110

1980-81 Second Year Class (First Professional Year)

Filing for formal application
  Earliest date: September 1, 1979
  Latest date: January 31, 1980
  Application fee: $15.00
Notification of acceptance by School
  Earliest date: March 15, 1980
  Latest date: July 31, 1980
Other Information on 1980-81 First Professional Year Class
  Starting date: September 2, 1980 (tentative)
  Ending date: April 20, 1981 (tentative)
  Estimated size of class: 110

GENERAL COMMENTS ON 1978-79 AND 1979-80 FIRST PROFESSIONAL YEAR CLASSES

Applicant response to acceptance offer
  Maximum time for response: 4 weeks after the receipt of letter of acceptance.
  Matriculation Deposit for Undergraduates: $50.00. Must accompany the letter of acceptance. Refunded only upon graduation or authorized withdrawal from the program.
  Class Reservation Fee: $100. Must accompany the letter of acceptance. Credited toward 1st term tuition. Forfeited if not enrolled.

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

1979-80 First Professional Year

Tuition & Fees per year (two terms)
  Resident: $1,680
  Non-Resident: $3,360
Room and Board (minimum): $2,000
Books and Supplies: $300
Lab Fees: $25

1980-81 "Projected" First Professional Year

Tuition & Fees per year (two terms)
  Resident: $1,680
  Non-Resident: $3,360
Room and Board (minimum): $2,400
Books and Supplies: $320
Lab Fees: $25

ESTIMATED INFORMATION ON 1978-79 FIRST PROFESSIONAL YEAR CLASS

	Instate	Out-of-State, U.S.	Foreign	Total
Number of Students	103	4	3	110

UNIVERSITY OF RHODE ISLAND
COLLEGE OF PHARMACY
0-5 Program Type

GENERAL INFORMATION

The College of Pharmacy at the State University of Rhode Island offers a five-year undergraduate program (0-5) leading to the Bachelor of Science degree in Pharmacy. It is the only program for pharmaceutical education in the state and under the cooperative plan of the New England Board of Higher Education, the university accepts students from other New England states (except Connecticut) without payment of the non resident tuition fee.

The College was established by the action of the Board of Trustess of State Colleges with the approval of the Rhode Island General Assembly and was authorized to begin its degree program on the Kingston campus in September 1957. This followed termination of the academic program of the Rhode Island College of Pharmacy and Allied Sciences, a private institution that had furnished instruction in pharmacy in Providence from 1902 to 1957.

CURRICULUM

The College of Pharmacy offers a five year curriculum leading to the bachelor of science (B.S.) degree in pharmacy and a curriculum leading to the (B.S.) degree in respiratory therapy. The master of science (M.S.) degree, offered by all departments; the doctor of philosophy (Ph.D.) degree in pharmaceutical sciences, offered by all departments except Pharmacy Administration, and the master of science (M.S.) degree in environmental health sciences.

The five year curriculum is patterned on presently accepted programs of study recommended by the American Association of Colleges of Pharmacy, the American Council on Pharmaceutical Education and other interested organizations. It is accredited by the American Council on Pharmaceutical Education and the University of the State of New York Division of Professional Education.

It provides preparation for community and institutional practice including clinical pharmacy. During the fifth year each student is required to spend one semester in an experiential learning experience in hospital and retail pharmacy sites in the New England area. Students may elect to live on campus or in the community in which they are taking their externship/clerkship. In addition, students have opportunities through the selection of professional electives to commence a specialization in one of several other areas of pharmacy, including hospital and clinical pharmacy, manufacturing pharmacy, medical supply servicing, drug analysis, administration, research and teaching.

Address inquiries to: Dean, Heber W. Youngken, Jr.
College of Pharmacy
University of Rhode Island
Kingston, RI 02881
(401) 792-2761

Admission to the University is effected through the Office of Admissions, University of Rhode Island, Kingston, RI 02881.

REQUIREMENTS FOR ENTRANCE

1. Students in high school may apply after the beginning of their senior year, provided admission is requested for the semester following graduation.
2. Out of state applicants (including transfer students not currently attending another college) who do not plan to enroll in another college or university before entering the University of Rhode Island may apply up to eleven months in advance.
3. Applicants presently registered in another college or university may apply up to eleven months in advance.

Sixteen units of high school work are required for admission. The following units are recommended:

English	4 units
Algebra and/or Plane Geometry	2 units
Physical or Natural Science	1 unit
History or Social Science	1 unit
Additional	8 units

SELECTION FACTORS

Closing date for freshman applications is March 1, and most decisions are reported in February, March, and April.

All Candidates for admissions are required to take the Scholastic Aptitude Test, the English Composition Achievement Test and at least two other achievement tests, administered by the College Entrance Examination Board in areas of the sciences. The intermediate mathematics test and laboratory science test are ordinarily required. Admissions are selective based upon the above tests, high school record and class standing. Students with records below a C average should not anticipate admission to the University of Rhode Island. Students with high scholastic achievement in certain subjects may apply for admission with advanced standing.

PCAT is not required. SAT scores, rank in class and grades in math and the sciences are evaluated, as is the quality of the high school concerned.

ADMISSION WITH ADVANCED STANDING

Advanced placement of freshmen is granted candidates who have completed college level courses in high school as participants in the Advanced Placement Program. Decision in each case is based on a review of the candidate's record and scores on the Advanced Placement Tests of the College Entrance Examination Board.

FINANCIAL AID

The basic premise of the financial aid programs at the University is that a parent is primarily responsible for meeting the expenses of his son or daughter's education. In addition, a minimum amount is expected to be contributed by the student himself from summer earnings and/or savings. When the total of these two amounts fails to meet the student's expected educational expenses, a financial need is deemed to exist and the student will be considered for financial aid. The university subscribes to and uses the services and research of College Scholarship Service, in order to determine the amount of money that the parent can be expected to contribute.

The variety of financial aid programs makes it necessary for the Committee on Financial Aid to Students and the Student Aid Office to determine what type of aid can be offered. These include scholarship/grant awards (free money), loan programs, and part-time employment. Applications for financial aid should be filed early for the following year. In order to meet the March 1 deadline, entering students should submit a Parents' Confidential Statement (PCS) by February 1 to College Scholarship Service, P. O. Box 176 Princeton, New Jersey 08540. Upperclass applicants will be instructed on deadlines and procedures for filing their applications. Applications for all types of financial aid must be filed annually for consideration by the Committee on Financial Aid to Students. For further information on loan programs, scholarships and grants please contact the Student Aid Office, University of Rhode Island, Kingston, RI 02881 or the Dean's Office, College of Pharmacy, same address.

TIMETABLE OF APPLICATION AND ACCEPTANCE

	1979-80 Freshman Class	1980-81 "Projected" Freshman Class
Filing for formal application by applicant.		
Earliest date:	Sept. 1, 1978	Sept. 1, 1979
Latest date:	March 1, 1979	March 1, 1980
Application fee:	$12.00	$12.00
Notification of acceptance by school.		
Earliest date:	Oct. 1, 1978	Oct. 1, 1979
Latest date:	April 30, 1979	April 30, 1980
Class		
Starting date:	Sept. 4, 1979	Sept. 3, 1980
Ending date:	May 18, 1980	May 17, 1981
Estimated size of class:	105	105

GENERAL COMMENTS ON 1979-80 AND 1980-81 FIRST YEAR CLASSES

Applicant response to acceptance offer.
Preferred time for response: Must respond within 2 weeks of date of acceptance.
Deadline for response: May 1, 1979
Deposit required: $50.00 (non-refundable) + $100 Housing fee (refundable in full until June 15, 1979)

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

	1979-80 Freshman Class	1980-81 "Projected" Freshman Class
Tuition and Fees		Unable to estimate at present
Resident:	$1,150.00	
Non-resident:	$2,500.00	
Room:	$ 950.00-$1,050.00	
Board:	$1,000.00	

INFORMATION ON 1978-79 FIRST YEAR CLASS

Number of Students	Instate	Out of State, U. S.	Foreign	Male	Female	Total
	43	60	0	35	68	103

MEDICAL UNIVERSITY OF SOUTH CAROLINA
COLLEGE OF PHARMACY
PROGRAM TYPE - 2-3

GENERAL INFORMATION

The Medical University of S.C. is a state supported coeducational professional institution. Its three basic functions are education, service and research in the field of medical science. The University, located in the city of Charleston, is rich in heritage, being the initial leader of medical education in the Southern U.S.

The Medical University of S.C. is comprised of six colleges (Medicine, Dentistry, Pharmacy, Nursing, Allied Health Science, and Graduate Studies) and in addition to possessing its own teaching hospital maintains numerous affiliations. The College of Pharmacy has been in continous service since 1894 and offers a curriculum leading to the baccalaureate degree. In 1973, an optional program leading to the Doctor of Pharmacy Degree was initiated.

The College of Pharmacy occupies a unique position in being intimately affiliated with the various departments of the Medical University. Pharmacy students receive instruction in such courses as Biochemistry, Physiology, Pharmacology, Public Health, Pathology, Anatomy, and Bacteriology from teachers who have specialized in these respective fields. The correlation of these courses with other courses regularly offered in the College of Pharmacy is most valuable. Since 1965 a great emphasis in pharmacy education has been directed towards the pharmacist as a drug consultant.

This College has been a leader in that field, which requires direct involvement with physician, nurse and the patient. Because of the affiliation with the College of Medicine, Nursing and Dentistry and the teaching hospital, it has been possible to develop a unique program.

CURRICULUM

The curriculum in pharmacy is based upon the modern concept of pharmaceutical education. This requires a basic education in the physical and biological sciences and the humanities which the student must complete at an accredited institution of his choice. This portion of the curriculum is of at least two years duration.

On admission to the College of Pharmacy the student embarks on a two year program in the basic pharmaceutical and health sciences which are necessary for proper orientation into the profession. These courses are those offered by the College of Pharmacy as well as by the basic sciences department of the College of Medicine at the Medical University.

On completion of this basic portion of the curriculum the student is then ready to enter the fifth year of training. This year is devoted almost entirely to giving the student a broad experience to enable him to practice pharmacy in any type of environment he chooses. The student spends approximately 225 hours in the Medical University Hospital observing the use of drugs in the patient, participating in ward rounds and considering the use of drugs in treatment of the patient on an inpatient basis. Approximately 190 hours of experience is divided between the Family Practice Pharmacy, pharmacies in the community, the Veterans Administration Hospital, Charleston County Health Department and the Sea Island Comprehensive Health Center. In assigning students to sites for practice, consideration is given to prior professional experience of the student, as well as his individual career goals. The Family Practice Pharmacy is operated by the Department of Pharmacy of the College of Pharmacy, particularly for the patients of the Family Practice Center program. Here the student has the opportunity to interact with physicians and residents on the use of drugs by out-patients. A large portion of the experience involves the use of a computerized patient record system and methods for determination of drug interaction by computer. Lastly, the student spends about 40 hours in the prescription practice laboratory, gaining experience in solving problems involved with drug utilization.

Students desiring to obtain the Doctor of Pharmacy Degree, make application at the end of the two year program in basic pharmaceutical and health sciences. If accepted, they take a slightly rearranged curriculum in the fifth year, followed by a year of intense clinical experience to complete the requirements for the degree. It is our goal to graduate a professionally oriented pharmacist who has had varied experiences which will permit him to occupy his proper place as a member of the health team.

Information regarding admissions and curriculum may be obtained by writing Dr. Blake F. Putney, Assistant Dean, College of Pharmacy, Medical University of South Carolian, 171 Ashley Avenue Charleston, S.C. 29403

REQUIREMENTS FOR ENTRANCE

The pre-pharmacy requirements of the course leading to the degree of B.S. in Pharmacy may be taken at any accredited college. The student must complete 68 semester hours of work which usually requires two full academic years. The 68 semester hours are as follows:

Required courses and semester hours -		
Math (college algebra and trig. or higher)		6
English Comp.		6
English Lit.		6
History		6
General Biology (or botany -4 and zoology -4)		8
General Chemistry (including qualitative analysis)		8
Organic Chemistry		8
College Physics		8
	Sub-total	56
Electives		12
	Total	68

Electives should be in the areas of the liberal arts and humanities only. A maximum of two semester hours of military science or prescribed physical education may be accepted as a part of the 12 hours of electives. Those students who are qualified to enter a higher level of math in college than algebra and trigonometry are urged to do so.

A minimum GPA of 2.0 is required in the pre-pharmacy work.

SELECTION FACTORS

Admission to the College is on the basis of the student's academic ability as shown in the pre-pharmacy courses as well as other qualifications which are necessary for success in this curriculum. A degree of maturity commensurate with the third year college level is essential for success. In-as-much as this is a state supported institution, preference must be granted to South Carolina residents who meet our qualifications, all other things being equal.

The Pharmacy College Admission Test (PCAT)will be used as a consideration for acceptance, and all students must take this test prior to admission.

ADVANCED PLACEMENT TESTS

About 50 percent of our entering students have B.S. degrees in other fields before entering the College of Pharmacy. These students may receive advanced standing credit on certain courses taken elsewhere with the permission of the department involved and providing a grade of "C" or better was obtained in the courses when taken. Granting of advanced standing is based on the assumption that the student will be well enough grounded in the subject matter to be able to proceed to a more advanced level of endeavor. A qualifying exam may be required.

FINANCIAL AID

Financial Aid for students accepted to the College is designed to assist the student towards the completion of the degree. Primary consideration is therefore given to the financial situation of the student and his family at the time of the award. The request of the student, the money available to the college, and the cost involved in obtaining one's education are the major factors considered when scholarships and loans are awarded. Scholarahips and loans fall into two categories:

Category 1 - those administered entirely by the College of Pharmacy, both in approving the recipient and the amount.

Category 2 - those administered by the College of Pharmacy, but approved and funded by outside agencies.

For specific information pertaining to the scholarship and loans programs available, write directly to the Chairman, Scholarship and Loan Committee, College of Pharmacy.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 Freshman Class

- Filing of formal application by applicant.
  - Earliest date: December 15, 1979
  - Latest date: August 1, 1979
  - Application fee: $15.00
- Notification of acceptance by school.
  - Earliest date: February 15, 1979
  - Latest date: August 15, 1979
- Class
  - Starting date: August 27, 1979
  - Ending date: May 3, 1979
  - Estimated size of class: 65

1980-81 "Projected" Freshman Class

- Filing for formal application by applicant.
  - Earliest date: December 15, 1980
  - Latest date: August 1, 1980
  - Application fee: $15.00
- Notification of acceptance by school.
  - Earliest date: February 15, 1980
  - Latest date: August 1, 1980
- Class
  - Starting date: August 25, 1980
  - Ending date: May 2, 1980
  - Estimated size of class: 65

GENERAL COMMENTS ON 1979-30 AND 1980-81 FIRST YEAR CLASSES

- Applicant response to acceptance offer
  - Preferred time for response: 6 weeks
  - Maximum time: August 1, 1979; August 1, 1980
  - Deposit fee to hold place in class (applies on tuition) : $32.00 due no later than 6 weeks after notification before July 1; 2 weeks after notification after July 1.
  - Deadline for cancellation of acceptance (deposit refundable prior to this date); 6 weeks after payment, or August 1, whichever is earlier

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

1979-80 Freshman Class

- Tuition and Fees
  - Resident: $660
  - Non-resident: $1320
- Estimated expenses per year (1979-80)
  - Room and Board (minimum): $3000
  - Books and Supplies: $200

1980-81 "Projected" Freshman Class

- Tuition and Fees
  - Resident: $660
  - Non-resident: $1320
- Estimated expenses per year (1980-81)
  - Room and Board (minimum): $3000
  - Books and Supplies: $225

INFORMATION ON 1978-79 FIRST YEAR CLASS

Number of Students	Instate	Out-of State, U.S.	Foreign	Male	Female	Total
	40	23	1	42	22	64

UNIVERSITY OF SOUTH CAROLINA
COLLEGE OF PHARMACY
1-4 OR 2-3 PROGRAM OPTION

GENERAL INFORMATION

Instruction in the pharmaceutical sciences began at this University in 1865, and the College of Pharmacy has operated on a continuous basis since 1924. A pharmaceutical chemistry (Ph.C.) degree (requiring two years of study) was offered until 1928, at which time a pharmacy graduate (Ph.G.) (requiring three years) and a bachelor of science in pharmacy (B.S. Pharm)) (requiring four years) were established on an optional basis. The Ph.G. program was discontinued in 1932. Since 1960, the College has followed a 5 year program leading to the B.S. pharmacy degree. A master of Science (M.S.) program was begun in 1967.

The College is located on Sumter Street within the Main University campus in downtown Columbia. It is housed in the Coker Life Science Building.

CURRICULUM

The B.S. pharmacy program is designed to prepare its graduates to enter pharmacy practice as well as other opportunities in related areas. By choosing appropriate electives, a student may better prepare himself for one the the following opportunities: community pharmacy, institutional pharmacy, graduate school, medical school, dental school, manufacturer's professional service representative, industrial pharmacy, or governmental pharmacy.

The pre-pharmacy curriculum is designed to provide a foundation in the basic subject areas fundamental to the study of the pharmaceutical sciences and to give the student an overview of the profession of pharmacy. The College has a 1-4 or 2-3 curriculum; i.e., depending on a student's individual circumstances, a student may be a pre-pharmacy student for 1 or 2 college years. Accordingly, the student will be in pharmacy 4 or 3 years, respectively, if all courses are taken in normal sequence.

In a 1-4 program the pre-pharmacy student must complete the following courses with a satisfactory academic performance: human biology, 4 semester hours (s.h.) (or basic botony, 4 h.s. and basic zoology, 4 s.h.); English, 6 s.h.; pre-calculus mathematics, 4 s.h.; calculus, 4 s.h.; inorganic chemistry, 9 s.h.; economics, 3 s.h.; and a social science or humanities elective, 3 s.h. In a 2-3 program, the student must complete the above courses and the following additional courses: organic chemistry, 8 s.h.; physics, 8 s.h.; human anatomy, 4 s.h.; physiology, 4 s.h.; sophomore English, 3 s.h.; and public speaking, 3 s.h.

For more detailed information, a prospective student should write or call:

Associate Dean's Office
College of Pharmacy
University of South Carolina
Columbia, S.C. 29208
Phone: (803) 777-4151

REQUIREMENTS FOR ENTRANCE AND SELECTION FACTORS

A student may be admitted to pre-pharmacy or to pharmacy depending on his previous education and academic ability as determined by the College's Scholastic Standings and Petitions Committee and the approval of the Office of the Dean. Admission to the professional pharmacy program from the pre-pharmacy program is not automatic upon one's completion of the pre-pharmacy courses. In addition to meeting the College of Pharmacy's admission requirements, a prospective student must also meet all the general requirements for admission to the University.

Enrollment in the professional program is limited, and only the most qualified students, as determined by the College's Scholastic Standings and Petitions Committee, will be accepted. All qualified South Carolina residents will be admitted before qualified out-of-state applicants.

Students who wish to enter the professional program must submit a completed College of Pharmacy application form no later than February 1 of the year in which fall admission is desired. The College of Pharmacy application must be accompanied by a report of scores on the Pharmacy College Admission Test (PCAT); SAT scores; a statement of good moral character signed by a pharmacist, physican, or teacher; two personal references; and transcripts reflecting all college level studies to be updated as necessary. A personal interview may also be required.

Prospective students may apply for admission after one or two years of college. Applicants who seek admission after one year of college must have successfully completed the courses listed in the curriculum section above for the first college year as a minimum. Applicants who seek admission after two years of college must have successfully completed all pre-pharmacy courses listed in the curriculum section above.

College of Pharmacy applications may be obtained by writing to the Associate Dean's Office, College of Pharmacy, University of South Carolina, Columbia, S.C., 29208. Applications to the University of South Carolina may be obtained by writing to the Director of Admissions, University of South Carolina, Columbia, S.C., 29208. Application deadline to the University system is normally two months prior to expected admission.

SELECTION FACTORS

Admission to the College is on the basis of the student's academic ability as shown in the pre-pharmacy courses as well as other qualifications which are necessary for success in this curriculum. A degree of maturity commensurate with the third year college level is essential for success. Inasmuch as this is a state supported institution, preference must be granted to South Carolina residents who meet our qualifications, all other things being equal.

The Pharmacy College Admission Test (PCAT) will be used as a consideration for acceptance, and all students must take this test prior to admission.

ADVANCED PLACEMENT

Transfer students may receive advanced standing credit on certain courses taken elsewhere with the permission of the department involved and providing a grade of "C" or better was obtained in the courses when taken. Granting of advanced standing is based on the assumption that the student will be well enough grounded in the subject matter to be able to proceed to a more advanced level of endeavor.

FINANCIAL AID

Financial Aid for students accepted to the College is designed to assist the student towards the completion of the degree. Primary consideration is therefore given to the financial situation of the student and his family at the time of the award. The request of the student, the money available to the college, and the cost involved in obtaining one's education are the major factors considered when scholarships and loans are awarded.
Scholarships and loans fall into two categories:
Category 1 - those administered entirely by the College of Pharmacy, both in approving the recipient and the amount.
Category 2 - those administered by the College of Pharmacy, but approved and funded by outside agencies.

For specific information pertaining to the scholarship and loans programs available, write directly to the Chairman, Scholarship and Loan Committee, College of Pharmacy.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 Freshman Class

Filing of formal application by applicant
  Earliest date: September 1, 1979
  Latest date: August 1, 1980
  Application fee: $20.00
Notification of acceptance by school
  Earliest date: February 15, 1980
  Latest date: August 1, 1979
Class
  Starting date: August 20, 1979
  Ending date: May 4, 1980
  Estimated size of class: 105

1980-81 "Projected" Freshman Class

Filing of formal application by applicant
  Earliest date: September 1, 1980
  Latest date: August 1, 1981
  Application fee: $20.00
Notification of acceptance by school
  Earliest date: February 15, 1981
  Latest date: August 1, 1980
Class
  Starting date: August 28, 1980
  Ending date: May 6, 1981
  Estimated size of class: 105

GENERAL COMMENTS ON 1979-80 AND 1980-81 FIRST YEAR CLASS

Applicant response to acceptance offer
  Preferred time for response: 6 weeks
  Maximum time: June 1, 1980; June 1, 1981

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS 1980-81 "PROJECTED" FRESHMAN CLASS

1979-80 Freshman Class

Tuition and Fees
  Resident: $732
  Non-resident: $1692
  Room and Board (minimum): $1600
  Books and Supplies: $220

1980-81 "Projected" Freshman Class

Tuition and Fees
  Resident: $732
  Non-Resident: $1692
  Room and Board (minimum): $1600
  Books and Supplies: $220

INFORMATION ON 1978-79 FIRST YEAR CLASS

Number of	Instate	Out-of State, U.S.	Foreign	Male	Female	Total
Students	98	9	1	76	32	108

SOUTH DAKOTA STATE UNIVERSITY
COLLEGE OF PHARMACY
1-4 Program Type

GENERAL INFORMATION

South Dakota State University, a land grant institution, had its beginnings in an act passed by the territorial legislature in 1881 to establish a "State Agricultural College" in accordance with the provisions of the Morrill Act. The contribution of 80 acres of land by the citizens of Brookings assured the establishment of the college. Construction of the first building was begun in 1883 and completed in time for the fall opening in 1884. The first instruction in pharmacy was offered in 1887 in the form of elective work for students interested in "the business of the druggist". By 1888 a two year course in pharmacy was outlined and taught by the Department of Chemistry. Five students completed the program in 1890. The Ph.G. (Pharmacy Graduate) degree was authorized in 1893 at which time the Department of Pharmacy was established. By 1898 students were also allowed the option of additional study to complete requirements for a four year bachelor of science degree in pharmacy. The State College was reorganized in 1923 into five instructional divisions, one of which was the Division of Pharmacy. This unique designation was continued until 1964 when South Dakota State College became South Dakota State University. At that time the Division of Pharmacy became the College of Pharmacy. Today, the College, located on the University campus at Brookings is one of the eight colleges comprising South Dakota State University.

CURRICULUM

The College of Pharmacy offers a five year plan of study leading to the degree of Bachelor of Science in Pharmacy. The plan of study is designed to prepare all students for the professional practice of pharmacy. By a proper selection of elective courses the student may also prepare for graduate study in the pharmaceutical sciences. The program consists of one year of pre-pharmacy study and four years of a professional program. Students may be admitted to South Dakota State University as freshmen in the pre-pharmacy program or as transfer students into the second year after having completed the pre-pharmacy year at another college or junior college. The professional program includes a number of advanced basic science courses such as organic chemistry, microbiology, physiology and pathology in addition to the professional pharmacy courses. The professional courses include such pharmaceutical science courses as inorganic and organic pharmaceutical chemistry, pharmaceutical biochemistry, pharmaceutics, biopharmaceutics, pharmacology and toxicology. The application of drug knowledge and basic science to the solution of problems of drug distribution and patient care is made in such courses as prescription practice, hospital pharmacy, pharmacy management and drug therapy. Finally the student has an opportunity to put his knowledge to work by applying it to clinical situations in a fourteen week series of rotations through a number of patient care settings. These include: the patient care area of a large hospital; the providing of consultant services to an intensive care nursing home and to an intermediate care home; home visits with public health nurses to bring counseling and care to patients at home; dispensing of medications and counseling on their usage in a student health dispensary; pharmacy service in a small hospital; and working as a team with student nurses. Eight of the fourteen weeks will be spent as an extern in pharmacy practice under the direction of a pharmacist preceptor. The student may choose this practice in a general community pharmacy, a prescription shop, a hospital pharmacy, or an Indian Health Service Hospital.

REQUIREMENTS FOR ENTRANCE

1. Students still in high school may apply during their senior year for the next fall semester. It is best to begin college work with the fall semester.

Fifteen units of high school work are required for admission to the freshman class. The following units are recommended.

English	3 units
Mathematics	3-4 units

It is of advantage to have completed at least one year each of algebra, biology, chemistry and physics.

2. Students presently enrolled in college should apply during the last term prior to transfer. They should have completed at least one semester of general chemistry, one semester of zoology and one semester of college algebra and trigonometry all with a grade of C or better.

Address inquiries to: Director of Admissions
South Dakota State University
Brookings, South Dakota 57007
(605) 688-4121

SELECTION FACTORS

Admission to South Dakota State University is granted without regard to sex, race, color, creed or national origin.
1. A South Dakota resident who ranks in the upper two thirds of his high school graduating class is normally eligible for unconditional admission. A resident who ranks in the lower one third of his graduating class may be admitted if he has an ACT composite score of 20 or above.
2. A non-resident who ranks in the upper one half of his high school graduating class is normally eligible for admission. Students in the lower one half may be admitted if they have an ACT composite of 20 or above.
3. All students applying to the freshman class must submit the results of the American College Test (ACT) as part of their application. Students should arrange to complete this test during their senior year of high school.
4. Applicants who have not been graduated from an accredited high school may contact the Dean of Student Services for information regarding entrance by certificate or examination. Any arrangement for such admission must be completed at least thirty

days prior to the date of intended registration.

a. Selection is based largely upon the student's academic record for the first year's work.
b. Completion of the Pharmacy College Admission Test is required of all applicants for the second year class. The test is best written during February.

ADVANCED PLACEMENT TESTS

Students with suitable high school preparation may be entitled to advanced placement in Biology, French, German, Spanish or Mathematics. Placement is determined by a combination of high school grades, ACT scores and entrance examinations. Students who score well on entrance examinations will be allowed to enroll in advanced level courses. Satisfactory performance in the course may earn additional credit for the courses which have been by-passed.

FINANCIAL AID

For students in need of financial assistance several types of aids are available.
Scholarships - Outright gifts of money awarded to students on the basis of academic achievement, financial need, and leadership qualities.
Grants-in-aid - Outright gifts of money awarded primarily on the basis of financial need.
Awards - Outright gifts of money awarded to students who participate in extra-curricular activities such as athletics and band.
Loans - Grants of money made with the provision that they be repaid.

Address inquiries to: Office of Financial Aids
South Dakota State University
Brookings, South Dakota 57007

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 Freshman Class
Filing of formal application by applicant.
Earliest date: Whenever received
Latest date: August 1, 1979
Notification of acceptance by school.
Earliest date: January, 1979
Latest date: August 15, 1979
Usual time from receipt of complete application to acceptance notice: three weeks
Class
Starting date: August 29, 1979
Ending date: May 9, 1980
Estimated size of class: 60

1980-81 "Projected" Freshman Class
Filing of formal application by applicant.
Earliest date: Whenever received
Latest date: August 1, 1980
Notification of acceptance by school.
Earliest date: January, 1980
Latest date: August 15, 1980
Usual time from receipt of complete application to acceptance notice: three weeks
Class
Starting date: Late August
Ending date: Early May
Estimated size of class: 60

GENERAL COMMENTS ON 1979-80 AND 1980-81 SECOND YEAR CLASSES

In the fall of 1978 the College made a transition from a 2-3 curricular arrangement to a 1-4 pattern. Beginning in the fall of 1979 entry into the professional program will be at the beginning of the second year. Formal application should be made during the spring semester preceding the fall term for which application is made. Final selection of the class will be immediately following the close of spring classes when grades for that term become available. Admission of students into the class will be based upon the grade point average earned during the pre-pharmacy year, the scores achieved in the Pharmacy College Admission Test and, where available, upon ACT scores. In general, students are expected to have attained at least a 2.5 grade point average in their pre-pharmacy work in order to be considered for admission. Limitations in physical facilities have made it necessary to limit the size of the second year class. Selection of the class is made from a pool of candidates consisting of all students seeking entry to the class. No quotas of resident or non-resident applicants have been established. Ordinarily, selection will be completed by the end of June. Students selected will be expected to make an advance tuition deposit of $100 to hold a place in the class. This deposit is applied toward the first tuition payment in the fall. It is not refundable. Fees and expenses for second year students are the same as those indicated for freshmen.

GENERAL COMMENTS ON 1979-80 AND 1980-81 FRESHMAN CLASSES

The $15 application fee is non-refundable. Unmarried freshman students are required to reside in university residence facilities. Reservation for university residence space must be made at the time of application and accompanied by a $50 advanced housing payment. This payment is not refundable after July 1 in the event of cancellation after that date. Students residing in university facilities eat at the university food services. Several plans for participation in food service are available. A physical examination done by the student's personal physician is required of all applicants.

ESTIMATED EXPENSES PER YEAR FOR FRESHMAN CLASS

1979-80 Freshman Class
Tuition and Fees
Resident: $730
Non-resident: $1484
Room and Board (minimum): $960
Books and Supplies: $200
Lab Fees: NONE
Other Required Expenses (deposit): $35

1980-81 "Projected" Freshman Class
Tuition and Fees
Resident: $730
Non-resident: $1484
Room and Board (minimum): $1018
Books and Supplies: $220
Lab Fees: NONE
Other Required Expenses (deposit): $35

INFORMATION ON 1978-79 FRESHMAN CLASS

Number of Students	Instate	Out-of-State, U.S.	Foreign	Male	Female	Total
	47	14	1	28	34	62

UNIVERSITY OF TENNESSEE CENTER FOR THE HEALTH SCIENCES
COLLEGE OF PHARMACY
2-3 Program Type

GENERAL INFORMATION

The school of Pharmacy was organized in 1898 as a part of the University of Tennessee in Knoxville, and was later in 1906 transferred to the Department of Medicine of the University of Nashville. In 1911, the School of Pharmacy became a part of the College of Physicians and Surgeons in Memphis and since 1912 has been operated as a separate entity from the Medical College.

The designation, College of Pharmacy, was made in 1959, consistent with the other colleges in U.T. Center for the Health Sciences.

Historically, the College of Pharmacy has been greatly influenced by its location in the Memphis Medical Center in close proximity to a wide spectrum of health facilities. In recent years deliberate efforts have been made to integrate the teaching, research and service programs of the College with similar activities of sister colleges, hospitals and health facilities throughout the City. These efforts have made possible the extension of the undergraduate and postgraduate programs to embrace clinical and advanced professional training not previously available in Tennessee.

CURRICULUM*

The undergraduate curriculum of the College of Pharmacy may conveniently be divided into three categories. In the first professional year the student begins the sequence of professional study in pharmacy and in addition completes a series of basic biological science requirements, i.e., biochemistry, anatomy, physiology and microbiology. These courses are prerequisite to the introduction of more advanced pharmacy and chemistry, biopharmaceutics, and pharmacology in the second year. The second and third years of the undergraduate curriculum have a clinical orientation and undertake to give practical implementation to the background learning previously obtained. The clinical program utilizes the facilities of City of Memphis Hospital and other health facilities in the Memphis Medical Center.

The Doctor of Pharmacy program leads to an advanced professional degree (Pharm. D.) which requires seven quarters of work beyond the B.S. level. The curriculum has been integrated so that the B.S. degree is awarded at the end of the fifth year (third professional year). In the sixth and seventh years a core of required courses plus a minimum number of approved electives is required. For transfer students and pharmacists resuming their education, the first five years of preparation should be comparable to the University of Tennessee program. A limited number of postgraduate residencies is available.

Address inquiries to: Associate Dean, College of Pharmacy, University of Tennessee, 874 Union Avenue, Memphis, Tennessee, 38163. Phone (901) 528-6024.

REQUIREMENTS FOR ENTRANCE

The first two years of the pharmacy program consist of a pre-professional curriculum taken in an accredited college, junior college or university. This work is not offered at the University of Tennessee. The requirements include 90 quarter hours in approved courses, as follows:

English Composition	9
Literature (or Language) and Speech	9
Biology	12
Physics	6
Chemistry (including 1 year Organic)	24
Accounting	3
Social Sciences (including Psychology)	9
Electives	18

SELECTION FACTORS*

Admission to the College of Pharmacy is by committee action, based on the overall record and aptitude of the applicant. All candidates must have obtained grades of at least 2.0 in required courses, in addition to a composite average of 2.0 or above for all work completed. From a practical standpoint the academic record should be much higher that this minimum value in order to be competitive. The Pharmacy College Admission Test (PCAT) and personal interviews are required.

The Admission policy of the University gives preference to residents of the State of Tennessee. Students may rarely be admitted with advanced standing in the fourth or fifth year (second or third professional year) after having attended another college of pharmacy. Recommendation of the Dean of college from which transferring is required.

ADVANCED PLACEMENT TESTS

Limited credits may be allowed for preprofessional courses taken by advanced placement and College Level Equivalency Program (CLEP). Credit will be limited to courses in which a grade of "B" or above has been received. In laboratory courses the work must be validated by regular credit in advanced courses with grade of "B" or above.

FINANCIAL AID*

Scholarships - Outright gifts of money awarded to students on the basis of academic achievement, financial need, and leadership qualities.

Grants-in-aid - Outright gifts of money awarded primarily on the basis of financial need.

Awards - Outright gifts of money awarded to students who participate in extra-curricular activity programs of the University.

UNIVERSITY OF TENNESSEE CENTER FOR THE HEALTH
SCIENCES
COLLEGE OF PHARMACY

FINANCIAL AID* - Continued

Loans - Grant of money made with the provision that they be repaid.
The assistance available through the above types of aid is limited.

TIMETABLE OF APPLICATION AND ACCEPTANCE*

1979-80 First Year Class

Filing of formal application by applicant
  Earliest date: January 1, 1979
  Latest date: March 1, 1979
  Application fee:
    Resident - $10.00
    Non-resident - $25.00

Notification of acceptance by school
  Earliest date: April 1, 1979
  Latest date: July 1, 1979
  Usual time from receipt of complete application to acceptance notice: Varies

Other information on 1979-80 1st Year Class
  Starting date: September 27, 1979
  Ending date: June 6, 1980
  Estimated size of class: 95

1980-81 "Projected" First Year Class

Filing of formal application by applicant
  Earliest date: January 1, 1980
  Latest date: March 1, 1980
  Application fee:
    Resident - $10.00
    Non-resident - $25.00

Notification of acceptance by school
  Earliest date: April 1, 1980
  Latest date: July 1, 1980
  Usual time from receipt of complete application to acceptance notice: Varies

Other information on 1980-81 1st Year Class
  Starting date: September 26, 1980
  Ending date: June 11, 1981
  Estimated size of class: 95

GENERAL COMMENTS ON 1977-78 and 1978-79 FIRST YEAR CLASSES

Applicant response to acceptance offer
  Preferred time for response: 2 weeks
  Deadline for response: 2 weeks
Deposit required and refund policy if applicant withdraws acceptance: $200.00, due 2 weeks from date of acceptance letter (non-refundable).

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS*

1979-80 Freshman Class

Tuition and Fees
  Resident: $843.75
  Non-resident: $1779.75
Room and Board (minimum): $1680.00
Books and Supplies: $225.00
Lab fee: $25.00

1980-81 "Projected" Freshman Class

Tuition and Fees
  Resident: $843.75
  Non-resident: $1779.75
Room and Board (minimum): $1680.00
Books and Supplies: $225.00
Lab fee: $25.00

ESTIMATED INFORMATION ON 1978-79 FIRST YEAR CLASS

Number of Students	Instate	Out-of-State, U.S.	Foreign	Male	Female	Total
99	99	0	0	43	56	99

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*The information contained in this monograph is tentive and is subject to change without notice.

TEXAS SOUTHERN UNIVERSITY
SCHOOL OF PHARMACY
0-5 GENERAL PROGRAM

GENERAL INFORMATION

The School of Pharmacy was organized as an integral department of Texas Southern University in 1949. Its aim is to provide a means for pharmaceutical education and to supply a broad foundation for the student's professional career by offering systematic instruction and special training in those subjects requisite for the successful practice of pharmacy.

The primary interest of the faculty of the School of Pharmacy is to develop students academically. The faculty, ever mindful of the changing face of pharmacy, continuously study and revise the curriculum to meet the needs of these changes. This is reflected in the most recent revision of the course of study to a patient oriented curriculum. In order to provide student participation in curriculum revisions and programs related directly to their welfare, one student is selected from the four final professional years as a voting member of the faculty. Furthermore, faculty meetings are open to all students except those where the privacy of the individual is involved. Each year the junior and senior classes make an educational tour to one of the large nationally known pharmaceutical manufacturing plants. Lectures, assemblies, athletic activities, and social gatherings of the University are open to the students of the School of Pharmacy.

CURRICULUM

The School of Pharmacy offers a five year program leading to the Bachelor of Science degree in Pharmacy. The curriculum is divided into three components (1) Pre-professional. - The majority of the courses are taken in the College of Arts and Sciences and are competency based. Upon completion of the first two years the PCAT is required of all second year students. (2) Professional - Pre-Clinical. - The third and fourth year of the students program is involved with the study of basic pharmaceutical sciences. Upon successful completion of the fourth year all students are required to successfully pass a Basic Pharmaceutical Science Examination (3) Clinical - Practice of Pharmacy. - The fifth year of the program involves the major portion of the Clinical experience of the student. Clinical rotations in major hospitals and community health center, Practice of Pharmacy Externships, and didactic work comprises a total experience for the profession of Pharmacy. Successful completion of the five-year program satisfies all practical experience requirements for examination by the Texas State Board of Pharmacy.

REQUIREMENT FOR ENTRANCE

Admission to the School of Pharmacy is under the administration of the Registrar and Director of Admission, and all correspondence on this subject should be directed to him at Texas Southern University, 3201 Wheeler Avenue, Houston, Texas 77004. Students who seek admission will please request the registrar of institutions previously attended to forward two official transcripts of record directly to the Office of Admissions; one copy is placed with the Dean of the School of Pharmacy. The application for admission and complete credentials should be in the Office of Admissions as early as possible but no later than June 15. Credentials for admission must, in every case, include a complete record of all previous high school and college or university work.

A certificate of high school graduation.

Persons who give satisfactory evidence of good character and intellectual promise and meet the following unit and grade requirements are eligible for admission to the School of Pharmacy.

Unit Requirements: Fifteen (15) units of credit in subjects accepted for graduation from high school, including (a) three (3) units in English, (b) seven (7) other units in academic subjects, that is, in English, foreign languages, history, mathematics, social sciences, or natural sciences, (c) five (5) units in either academic or non-academic subjects.

Grade Requirements: The applicant must be in the upper 50 per cent of his high school graduating class or he must score at or above the 31st percentile on the American College Testing program for inbound college students based on local norms.

SELECTION FACTORS

An applicant may be admitted to the School of Pharmacy by transfer from an accredited standard college or from an approved junior college under the following conditions:

1. If the applicant is not under penalty for low scholarship or unsatisfactory conduct in any collegiate institution previously attended.
2. If the academic average in all college work previously attempted is not below the grade of "C+" or 2.5 or more on a 4.0 scale.
3. All transfer applications will be processed by the admissions committee of the School of Pharmacy. Transfer applicants should make formal application with the Registrar's Office before March 15th. Transfer applicants will be considered for admissions for the Fall semester only. The Pharmacy College Admission Test (PCAT) is required of all transfer applicants.

ADVANCE PLACEMENT TESTS

The amount of advanced standing granted to a student transferring from another institution is determined in each case by the Office of Admissions under rules and regulations laid down by authorized committees of the University faculty.

Graduates from foreign Schools of Pharmacy desiring a degree from Texas Southern should apply directly to the Office of the Dean for special requirements.

FINANCIAL AIDS

A uniform application blank is submitted by all students seeking financial assistance. Applicants must be fully accepted by the University, and must substantiate need for assistance. Need can be established by submitting a Financial Aid Form to the College Scholarship Service. Based on income and other pertinent information, this service provides a needs analysis report that is sent to the University indicating the student's need for financial assistance. Upon the receipt of this information on an eligible student the financial aid office determines the type of aid to be awarded.

THE BASIC EDUCATIONAL OPPORTUNITY GRANT

The Basic Educational Opportunity Grant Program is a Federal aid program designed to provide financial assistance to those who need it to attend post-high school educational institutions. The amount of your Basic Grant is determined on the basis of your own and your family's financial resources.

THE HEALTH PROFESSIONS STUDENT LOAN PROGRAM

It is a program of long-term, low-interest loans to assist students having need for financial assistance to undertake the course of study required to become a pharmacist. Funds are allocated to accredited schools of pharmacy which are located in the United States and Puerto Rico, and which participate in the student loan program.

FEDERALLY INSURED LOANS

Title IV of the Higher Education Act of 1965 provides for students to apply for loans from participating lending institutions to help pay their educational cost while attending schools ranging from vocational or technical to degree granting institutions. Regardless of family income, any student desiring to apply for a loan provided that he or she is (1) enrolled and in good standing or has been accepted for enrollment at an eligible school; (2) carrying at least one-half of the normal full-time work load as determined by the school; and (3) a citizen or national of the United States or is in the United States for other than temporary purposes.

HINSON-HAZLEWOOD COLLEGE STUDENT LOAN ACT

All residents of the State of Texas are eligible for assistance, provided they meet established standards as provided for under the program. The maximum loan is $1,500 per academic year for undergraduate study and $2,000 per year for graduate and professional school. Interest is computed at 7% per annum. The total outstanding principal balance may not exceed $10,000 at any one time.
Repayment of Hinson-Hazlewood loans begins the first day of the tenth month after the borrower leaves school, and funds are repaid within 10 years of the start of the repayment period.

SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANT

Students with exceptional financial need may qualify for assistance under this program, even though they may not meet the higher academic requirements for scholarships. Under this program, any aid the student receive from the university-related funds may be matched by Federal funds up to the minimum needs of the student which he and/or his family are unable to provide.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 First Year Class

Filing of formal application by applicant
  Earliest date: Varies
  Latest date: June 15, 1979
  Application fee: None
Notification of acceptance by school
  Usual time for receipt of complete
  application to acceptance notice: August, 1979
Other information on 1979-80 1st Year Class
  Starting date:
  Ending date:
  Estimated size of class: 100

1980-81 "Projected" First Year Class

Filing of formal application by applicant
  Earliest date: Varies
  Latest date: June 15, 1980
  Application fee: None
Notification of acceptance by school
  Usual time for receipt of complete
  application to acceptance notice: August, 1980
Other information on 1980-81 1st Year Class
  Starting date:
  Ending date:
  Estimated size of class: 100

Expenses per Year for 1979-80 First Year Class and "Projected" 1980-81 First Year Class

Tuition and Fees per year (1979-80)
  Resident: $400.00
  Non-resident: $1500.00
  Foreign: $1500.00
Estimated expenses per year (1979-80)
  Room and Board (minimum): 1450.50
  Books and Supplies: 275.00
  Lab fee: 50.00

Tuition and Fees per year (1980-81)
  Resident: $400.00
  Non-resident: $1500.00
  Foreign: $1500.00
Estimated expenses per year (1980-81)
  Room and board (minimum): 1550.00
  Books and Supplies: 300.00
  Lab fee: 50.00

ESTIMATED INFORMATION ON 1979-80 FIRST YEAR CLASS

Number of	Instate	Out-of-State, U.S.	Foreign	Total
Student	65	15	10	90

GENERAL INFORMATION

The University of Houston was founded in 1927 and became a state-assisted university in 1963. The student body on the Central Campus, located in a residential area in the southeast section of metropolitan Houston, numbers more than 30,000 during regular fall and spring terms and more than 13,000 during the summer session. The College of Pharmacy, located on the Central Campus, was established in 1947. In 1952, an M.S. program was added and in 1960, the M.S. program in Hospital Pharmacy was coordinated with a residency program at the Veterans Administration Hospital in Houston. This has since been expanded to include St. Joseph's and St. Luke's and Texas Children's Hospitals. At the present time, the College of Pharmacy offers the M.S. in Pharmacy degree with a major in Hospital Pharmacy, Medicinal Chemistry, Pharmaceutics, Pharmacognosy or Pharmacology. Programs leading to the Doctor of Philosophy degree are offered by the Department of Pharmacology and the Department of Pharmaceutics in conjunction with the Department of Biophysics and by the Department of Medicinal Chemistry and Pharmacognosy in conjunction with the Department of Chemistry. The College of Pharmacy occupied new facilities on the Central Campus in August, 1977 and will begin construction on a building in the Texas Medical Center at Houston in December 1978. This facility will house the Clinical Pharmacy faculty as well as those members engaged in research projects in conjunction with Medical Center Personnel. The College of Pharmacy has contracts with and maintains clinical faculty in Ben Taub Hospital, Hermann Hospital, M.D. Anderson Hospital and the Veterans Administration Hospital in conjunction with the institutional portion of the clinical pharmacy program.

CURRICULUM

The College of Pharmacy offers a three year professional degree that stresses a rigorous program in the pharmaceutical sciences as preparation for a clinical pharmacy experience that includes both institutional, community programs. The institutional portion of the clinical experience conducted at hospitals in the Texas Medical Center at Houston, includes patient conferences, attending rounds and grand grounds on a weekly schedule of approximately 48 hours a week for an eight week period. A student-faculty ratio of 3 to 1 is maintained in the institutional clinical program. In addition to the institutional program each student is given an additional eight week structured program in community pharmacy. This one-on-one preceptor-extern experience includes exposure to nursing home consultation as well as a thorough exposure to community pharmacy practice. The large number of pharmacies in the Houston metropolitan area allows the selection of highly qualified community preceptors. Courses in pathology and therapeutics are taught by faculty of the Baylor College of Medicine and the University of Texas Medical School at Houston.

REQUIREMENTS FOR ENTRANCE

Upon satisfactory completion of the pre-pharmacy program at either the University of Houston or another accredited college, the student must submit to the College of Pharmacy an application for admission to the professional program. For admission to the professional program the following minimum requirements must be fulfilled: 1. Completion of at least 62 hours of the pre-pharmacy curriculum, which must include all science and mathematics courses. See page 20 of the College of Pharmacy Bulletin. 2. Submission of P.C.A.T. scores. 3. Three letters of recommendation, including one from the pre-pharmacy advisor or committee, and one from a registered pharmacist. In addition, two passport-sized photographs (coat and tie for male students) and a copy of the student's birth certificate should be included with the application. All International Students must initiate their applications with the Office of Admissions of the University of Houston rather than the College of Pharmacy.

SELECTION FACTORS

Admission to the College of Pharmacy is on a selective basis. Factors involved in the selection process are: grade point average on all previous college work, grade point average over pre-pharmacy courses, grade point average over science courses, scores on P.C.A.T., and letters of recommendation. International Student admissions are limited to 4% of total admissions and residents of states other than Texas are limited to 6% of total admissions.

ADVANCED PLACEMENT TESTS

Academically qualified undergraduate students may receive course credit by examination in American history, art, biology, chemistry, English, physics, political science and psychology. Such credit may be granted on the basis of College Entrance Examination Board (CEEB) Achievement Tests or Advanced Placement Tests. A student may receive up to 21 semester hours of credit on the basis of College Level Examination Program General Examinations. Complete information on advanced placement and advanced standing examinations is contained in the University of Houston General Information Catalog. High school seniors enrolled in major works or other college level courses should consult with their counselors about registration for and taking the CEEB Advanced Placement Examination. Application forms and additional information concerning registration for the University of Houston Advanced Placement Examinations may be obtained from the Counseling and Testing Service, University of Houston. Under certain prescribed regulations, the University awards undergraduate degree credit by advanced standing examination. Applicants must have had unusual experience directly related to the course or must have completed the course equivalent in a non-accredited institution. Additional regulations governing the examinations and the petition forms to be used in applying are available in the Registrar's Office.

FINANCIAL AID

Financial assistance is awarded in the form of scholarships, grants, loans, and jobs. Students who seek financial assistance must file a general application with the Office of Scholarships and Financial Aid and must submit a Financial Aid Form (FAF) to the College Scholarship Service.
The University participates in the following programs of financial assistance to students: College Work-Study, Cuban Loans, Educational Opportunity Grants, Federal Insured Loans, Health Profession Loans, Health Profession Schloarhsips, Hinson-Hazelwood Loans, National Defense Student Loans (includes required Loyalty Oath). Special loan and scholarship funds are available to students in the last three years of the Pharmacy program, and may be applied for under the general application to the Office of Financial Aid. Interested applicants should contact the Office of Financial Aid for further details. Students or prospective students are encouraged to visit this office for consultation on their financial situation.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1978-79 Freshman Class

Filing for formal application by applicant.	Fall	Spring
Earliest date:	None	None
Latest date:	April 1, '78	Dec. 1, '78
Notification of acceptance by school.		
Earliest date:	April 15,'78	Dec. 15, '78
Latest date:	June 15, '78	Dec. 15, '78
Class		
Starting date:	Aug. 28. '78	Jan. 16, '79
Ending date:	Dec. 17, '78	May 12, '79
Estimated size of class	115	60

GENERAL COMMENTS ON 1978-79 AND 1979-80 FIRST YEAR CLASSES

Applicant response to acceptance offer.
Preferred time for response: Within two weeks following notification of acceptance.
Deadline for response: Two weeks following notification of acceptance.

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

1978-79 Freshman Class

Tuition and Fees	
Resident:	$448.00 per year
Non-resident:	$1774.00 per year
Room and Board (minimum);	$1395.00 per year
Books and Supplies:	$150.00 per year
Lab Fees:	$10.00 per year
Other Required Expenses:	$200 per year

1979-80 "Projected" Freshman Class

Tuition and Fees	
Resident	$448.00 per year
Non-resident	$1774.00 per year
Room and Board (minimum)	$1395 per year
Books and Supplies:	$150.00 per year
Lab Fees:	$10.00 per year
Other Required Expenses:	$200.00 per year

ESTIMATED INFORMATION ON 1978-79 FIRST YEAR CLASS

Number of Students	Instate	Out-of-State, U.S.	Foreign	Male	Female	Total
164	140	14	10	95	69	164

THE UNIVERSITY OF TEXAS AT AUSTIN
COLLEGE OF PHARMACY
2-3 Program Type

CURRICULUM

The function and objectives of the College of Pharmacy are to expose young men and women who desire an education in the pharmaceutical sciences to the tutelage of teacher-scholars and an intellectually stimulating curriculum within adequate physical facilities so as to produce competent practitioners in the various branches of pharmaceutical services: Community pharmacists, hospital pharmacists, medical sales representatives, public health pharmacists, industrial pharmacists; and equally important, to stimulate and provide facilities for research and reflection at the graduate level with the aim of producing teachers, scholars-scientists in pharmaceutics, pharmacognosy, pharmaceutical chemistry, pharmacology, pharmacy administration and clinical practice who will be qualified to join with members of the other health sciences in the promotion of public health. Another important function of the College is to provide a program in continuing education for alumni and other pharmacists. This program consists of annual seminars and conferences held at the college and area seminars throughout various sections of the state and is a function of the Extension Division of the College.

REQUIREMENTS FOR ADMISSION

Admission to the College of Pharmacy, as to all other colleges and schools of The University of Texas at Austin, is under the control of the Director of Admissions and Records. All correspondence prior to official acceptance to The University of Texas at Austin should be sent to that office. For general admission requirements, consult the General Information bulletin.

Credit may be given for pharmacy courses taken in another college of pharmacy accredited by the American Council on Pharmaceutical Education, this credit not to exceed the quantity of such courses prescribed in the first four years of the pharmacy curriculum of The University of Texas at Austin. Requests for credit by examination and transfer of credits from other schools should be sent to the Registrar of the University. For additional information, consult the General Information bulletin.

No student may begin the sequence of professional courses' in the pharmacy curriculum until he/she has first applied to and been formally accepted into The University of Texas at Austin by the Office of Admissions and Records, and, subsequently, has applied to and been accepted by the Admissions Committee of the College of Pharmacy. In the event the number of eligible applicants exceeds the number of students that can be accommodated by the available facilities, final selection will be made by the Admissions Committee.

SELECTION FACTORS

1. The applicant must have completed at least sixty semester hours, including the following fifty-two:

	Semester Hours
General Biology (cellular and molecular; structure and functions of organisms)	at least 6
General Chemistry (with laboratory)	at least 8
English composition (freshman level)	at least 6
Mathematics (through first semester calculus)	at least 6
Organic chemistry (with laboratory)	at least 8
General physics (with laboratory)	at least 8
Microbiology (with laboratory)	at least 4
Vertebrate physiology	at least 3
Economics	at least 3

2. The remaining eight hours may be selected from:

	Semester Hours
History (American)	6
Government (American)	6
Speech	3
Electives, not more than	8

3. The applicant will be evaluated on the basis of the quality of his overall academic performance. Work done at The University of Texas at Austin and work done elsewhere will be evaluated separately.

4. The applicant should submit at least two letters of recommendation: One, preferably from a registered pharmacist, and one from an adviser or instructor who is acquainted with the applicant's academic performance. Such letters are to be sent directly to the Admissions Committee of the College of Pharmacy.

5. The applicant may be requested to appear for a personal interview.

6. Applicants who have not previously been registered at The University of Texas at Austin must, in addition to the preceding, satisfy all of the University's requirements for admission as prescribed in the catalogue for their specific classifications.

7. Applications for admission to the sequence of professional courses should be made on appropriate forms obtainable from the Office of the Assistant Dean for Academic Affairs in the College of Pharmacy.
   a. Students whose most recent registration has been in The University of Texas at Austin must submit a completed application form.
   b. Students who are transferring to The University of Texas at Austin for the first time must first be approved for admission to the University by the Director of Admissions and Records.

The completed application form must be accompanied by a photograph and an additional set of transcripts from the college or colleges previously attended. These transcripts are in addition to those supplied to the Director of Admissions and Records in applying for admission to the University.

8. Students who plan to apply for admission to the professional program must take the Pharmacy College Admission Test (PCAT) as part of the overall procedures for admission, and early enough to insure that the grades have been received by the Admissions Committee by the deadline for the semester or summer session for which the student is making application. Students will be sufficiently prepared for the PCAT after they have completed those courses listed in the first preprofessional year.

FINANCIAL AID

Student financial aid is provided through:

Student Financial Aid
2608 Whitis Avenue
Austin, Texas 78712

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 Freshman Class

Filing for formal application by applicant:
- Earliest date: None
- Latest date: Fall, June 1; Spring, October 1; Summer, February 1.

Notification of acceptance by school
- Earliest date: Fall, July 15; Spring, Nov. 15; Summer, April 15.
- Latest date: Fall, August 1; Spring, Dec. 1; Summer, May 1.

Class
- Starting date: Fall, Sept. 5
- Ending date: Fall, Dec. 13
- Estimated size of class: Fall 70, Spring 70, Summer 70.

1980-81 "Projected" Freshman Class

Filing for formal application by applicant:
- Earliest date: None
- Latest date: Fall, June 1; Spring, Oct. 1; Summer, Feb. 1.
- Application fee: None

Notification of acceptance by school
- Earliest date: Fall, July 15; Spring, Nov. 15; Summer, April 15.
- Latest date: Fall, Aug. 1; Spring, Dec. 1; Summer, May 1.

Class
- Starting date: -
- Ending date: -
- Estimated size of class: Fall, 70; Spring, 70; Summer, 70.

GENERAL COMMENTS ON 1978-79 AND 1980-81 FIRST YEAR CLASSES

Acceptance letter specified deadline dates.

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

1979-80 Freshman Class

Tuition and Fees
- Resident: $60/semester
- Non-resident: $600 semester

Room and board (minimum): $1200/semester
Books and Supplies: $125/semester
Lab Fees: $18/semester
Other required expenses: $150/semester

1980-81 "Projected" Freshman Class

Same as 1978-79 Freshman Class.

ESTIMATED INFORMATION 1978-79 FIRST YEAR CLASS

Number of Students	Instate	Out of State, U.S.	Foreign	Male	Female	Total
207	193	6	8	100	107	207

UNIVERSITY OF UTAH
COLLEGE OF PHARMACY

Address Inquiries to: Harold H. Wolf, Dean
College of Pharmacy
University of Utah
Salt Lake City, Utah 84112
(801) 581-6731

PROGRAM TYPE 2-3

GENERAL INFORMATION

The University of Utah was founded in 1850, less than three years after the first group of pioneers had arrived in the Salt Lake Valley. Presently, the campus encompasses approximately 1200 acres along the western edge of the rugged Wasatch mountain range. Downtown Salt Lake City is five minutes away. Ready access to the mountain country surrounding the campus and a four-season climate invite participation in outdoor activities of hiking, boating, fishing, etc. It is not unusual during several months of the year to play a morning round of golf and within 45 minutes enjoy an afternoon of unexcelled powder snow skiing at one of several world-famous ski resorts. The College of Pharmacy, one of the newer colleges on campus, was opened in 1946 and graduated its first class from a fully-accredited college in June, 1950. The College is a part of the University Health Sciences Center and is located adjacent to the University Hospital, the College of Medicine, the College of Nursing, and the Spencer S. Eccles Medical Sciences Library.

CURRICULUM

The College of Pharmacy offers a five-year undergraduate program leading to the B.S. in Pharmacy degree and a two calender year post-baccalaureate program leading to a Doctor of Pharmacy (Pharm.D.) degree. A joint B.S. Pharmacy-M.B.A. program and a combined Master of Science in Hospital Pharmacy M.B.A.-Residency in Hospital Pharmacy are available through the cooperative efforts of the College of Pharmacy, College of Business and University Hospital. Information concerning the Pharm.D. program and these latter two programs may be obtained from the Department of Pharmacy Practice.
The B.S. program is divided into a two-year preprofessional curriculum and a three year professional curriculum. During the first two years, students complete the preprofessional core courses noted under "Requirements for Entrance" as well as courses which satisfy the liberal education requirements of the University. The professional curriculum is developed around a core of courses required of all students including practical experience programs in toxicology and in the clinical, community and hospital setting. Elective courses also are required and are selected by students according to their professional objectives.

REQUIREMENTS FOR ENTRANCE

The College does not discriminate on the basis of race, sex, or religion. Applications from women and from members of minority groups are encouraged.

A. Admission to the Preprofessional Program
  1. High school graduates without previous college work are admitted as first quarter freshmen if they meet the admission requirements of the University of Utah.
  2. Transfer students are admitted if they are accepted by the University Admissions Office (UAO), from which application forms may be obtained; 309 Park Building, Salt Lake City, Utah 84112. Admission to this program does not guarantee admission to the professional program.

B. Admission to the Professional Program
Admissions are determined by the Pharmacy Admissions Committee (PAC) with a maximum of 80 students accepted. Applicants are allowed to begin courses only in the autumn quarter. All students must obtain a special application form from PAC, 201 Skaggs Hall. Transfer students must first apply for admission to the University at the address given in A-2 above. They must be in good standing and eligible to return to the institution from which they are transferring. PAC determines acceptability into the professional program. When PAC receives notification of acceptance of a student by UAO (which includes a copy of the application for admission to the University and transcripts submitted therewith), an application form for admission to the professional program will be sent to the candidate. This application form should be returned to PAC by April 15. Supplementary transcripts showing grades in courses taken after application to the University must be sent to UAO as soon as the courses are completed. Notification of status will be sent as soon as possible, but final selection of all candidates may not be completed before August 1. The following preprofessional courses must be completed in order to be admitted to the professional program: Biology (1 quarter); English Composition (2 quarters); General Chemistry (1 academic year with lab); Organic Chemistry (1 academic year with lab); Physics (1 academic year, lab not required); College Algebra; Trignometry; Calculus (one quarter).

SELECTION FACTORS

The Pharmacy College Admissions Test (PCAT) is required of all applicants for admission to the professional program, and should be taken no later than the February test date of the year admission is desired. Application forms for the PCAT may be obtained from the PAC. Usually, an accumulative grade point average of 2.5 is necessary. Selection will be determined primarily by grade point average in those courses listed above, by PCAT scores, and by PAC's assessment of the statements of purpose and motivation as requested on the application form. A personal interview may be requested to assess these factors as well as communicative skills, maturity, and career goals. Any applicant who requests an interview will be accommodated. Priority will be given to qualified applicants in the following order: residents of Utah; nonresidents attending the University of Utah; nonresidents from states that do not have a pharmacy school; other U.S. citizens; foreign citizens. Applicants who have not completed all preprofessional requirements may be conditionally accepted if there is a high probability that all requirements will be completed before autumn quarter. Such acceptances will become final when all prerequisites for admission have been satisfied. Upon notification of acceptance, applicants are required to submit a nonrefundable $100 deposit within a specified time, which will be applied toward the applicants tuition. If the acceptance was conditional and is later denied for failure to satisfactorily complete admission requirements, the deposit will be refunded.

ADVANCED PLACEMENT TESTS

Tests are available through which an entering preprofessional students may qualify for advanced placement. Such tests in the areas of biology, chemistry, physics and mathematics allow students who make satisfactory scores to bypass the beginning courses in these areas. The College Level Examination Program (CLEP) tests are available in English composition, natural sciences, humanities, social sciences and western civilization. A student may earn up to 46 hours of college credit and satisfy the graduation requirements in English and liberal education from CLEP exams. Students who have taken advanced placement (AP) courses in high school and passed the AP tests will receive college credit, and also may waive a portion of a specific liberal education area.

FINANCIAL AIDS

The College of Pharmacy participates in the Health Professions Loan program which can provide financial assistance in the form of low-interest, long-term loans. Awards are made on the basis of need and contingent upon satisfactory progress toward the completion of graduation requirements. Information is available through the Financial Aids and Scholarships Office, 2081 Annex, University of Utah, Salt Lake City, Utah 84112. Several small scholarships are awarded through the College of Pharmacy based on academic achievement to fourth and fifth year students.

TIMETABLE OF APPLICATION AND ACCEPTANCE*

1979-80 First Professional Year Class

- Filing for formal application by applicant
  - Earliest date: See "Requirements for Entrance"
  - Latest date: See "Requirements for Entrance"
  - Application fee: $15.00
- Notification of acceptance by school
  - Earliest date: See "Requirements for Entrance"
  - Latest date: See "Requirements for Entrance"
- Class
  - Starting date: September 24, 1979
  - Ending date: June 7, 1980
  - Estimated size of class: not more than 80

1980-81 First Professional Year Class

- Filing for formal application by applicant
  - Earliest date: See "Requirements for Entrance"
  - Latest date: See "Requirements for Entrance"
- Application fee: $15.00
- Notification of acceptance by school
  - Earliest date: See "Requirements for Entrance"
  - Latest date: See "Requirements for Entrance"
- Class
  - Starting date: September 23, 1980
  - Ending date: June 6, 1981
  - Estimated size of class: not more than 80

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*Dates are subject to change; students should correspond with school for more precise information

GENERAL COMMENTS ON 1979-80 AND 1980-81 FIRST PROFESSIONAL YEAR CLASSES

- Applicant response to acceptance offer
  - Preferred time for response: 2 weeks
  - Deadline for response: varies, usually by August 1, 1979; August 1, 1980
- Deposit required and refund policy if applicant withdraws acceptance: $100, nonrefundable

ESTIMATED EXPENSES PER YEAR FOR FIRST PROFESSIONAL YEAR CLASS

1979-80 Class

- Tuition and Fees
  - Resident: $640
  - Nonresident: $1660
- Room and Board (minimum): $1700
- Books and Supplies: $200
- Lab Fees: $15
- Other Required Expenses: $5

1980-81 "Projected" Class

- Tuition and Fees
  - Resident: $640
  - Nonresident: $1660
- Room and Board (minimum): $1700
- Books and Supplies: $200
- Lab Fees: $15
- Other Required Expenses: $5

ESTIMATED INFORMATION ON 1978-79 FIRST PROFESSIONAL YEAR CLASS

Number of Students	Instate	Out-of-State, U.S.	Foreign	Male	Female	Total
70	51	17	2	50	20	70

VIRGINIA COMMONWEALTH UNIVERSITY
MEDICAL COLLEGE OF VIRGINIA
SCHOOL OF PHARMACY
2-3 Program

GENERAL INFORMATION

The School of Pharmacy of MCV (now a division of Virginia Commonwealth University) was officially established in 1898; the University College of Medicine had a school of pharmacy when it opened in 1893. The two-year curriculum gave way to a three-year program in 1925, and in 1932 the school required four years of college work and a B.S. degree was awarded. In 1960 the program lengthened to the current five-year course leading to a Bachelor of Science in Pharmacy degree. In 1975, authority was granted to offer to selected students a six year program leading to the Doctor of Pharmacy degree. The authority to award graduate degrees in the pharmaceutical sciences was granted by the Graduate Council in 1952. Departments in the school currently direct work leading to the M.S. and Ph.D. degrees in pharmaceutical chemistry and pharmaceutics.

In few states are pharmacists educated better than in Virginia. This is the only institution in the state offering work in pharmacy; and students in the schools of medicine, dentistry, pharmacy, nursing, and other health professions share alike in its teaching facilities. Since 1971, all senior pharmacy students have been participating in a clerkship program during their last semester. Students in the Baccalaureate program serve clerkships of approximately four weeks within the Medical College of Virginia Hospitals working directly with patients and their drug therapy programs, approximately eight weeks in a community pharmacy and a hospital pharmacy under the training and guidance of selected preceptors, and approximately four weeks in elective programs of their choice. Students in the Doctor of Pharmacy program participate in more extensive clerkships and in research projects to investigate methods for improving pharmaceutical services. Supervision of students in the hospitals is under the direction of the Department of Pharmacy and Pharmaceutics.

CURRICULUM

In developing the curriculum of the School of Pharmacy, the faculty recognizes that an educated man or woman should be prepared to assume a responsible and rewarding role in society. The program of education is designed to provide a sound, scientific, and professional background for both those who will enter the practice of pharmacy directly and those who wish to continue graduate education in the pharmaceutical sciences. The program of study includes as much of the arts and humanities as possible in order to provide the student with a broad educational base which will enable him to participate in community life, not only as a professional, but also as an informed, concerned citizen. Such courses also contribute to enrichment of the student's life by stimulating in him a greater appreciation of the cultural values and problems of our society.

The primary objective of the School of Pharmacy is the education of young men and women who seek to enter health service work in one of the several areas of pharmaceutical practice.

The School of Pharmacy seeks to provide an environment in which sound teaching and learning are promoted and excellence in achievement in the classroom, laboratory, and clinical setting is stressed. The same ideals have been maintained in our clerkship program in extending the student's learning experiences off campus and into selected community and hospital pharmacies.

The School of Pharmacy is cognizant of its responsibility to add new knowledge in the pharmaceutical and related sciences and endeavors to do so by promoting and encouraging research and graduate education in these sciences.

An appreciation of professional ethics and the concept of service are stressed throughout the years of professional education.

REQUIREMENTS FOR ENTRANCE

A. The bachelor of science in pharmacy degree is based upon satisfactory completion of five academic years in college. Candidates for admission to the school of pharmacy must attend an accredited college for two academic years (six quarters or four semesters) prior to admission. To receive a degree in pharmacy, a minimum of three academic years' residence is required in the school of pharmacy even if the student has attended college elsewhere for more than two academic years.

B. A statement of good moral character signed by one or more pharmacists, physicians, or former teachers may be requested by the Admissions Committee.

C. An official high school transcript and official transcripts of all colleges previously attended are required. Applications are considered by the admissions committee only when transcripts showing completion of three semesters or four quarters of work have been received. Acceptances are offered contingent upon satisfactory completion of specific work that may be in progress, if all other aspects of the application are satisfactory.

D. Academic Prerequisites. Applicants must offer the required credits in the following subject areas and a total of at least 63 semester hours:

		Sem. Hrs.	Qrt Hrs.
a.	Biology (botany & zoology)	8*	12*
b.	General Chemistry	8	12
c.	Physics	8*	12*
d.	English	6	9
e.	Mathematics	6**	9**
f.	Economics	3*	4.5*
g.	Electives***	24	36
	TOTAL	63	94.5

E. Applicants must have earned a creditable average (C or better) overall or in the courses specified to meet minimum academic requirements for admission.

F. Applicants for admission must furnish a photograph and a completed application form; this form requires that the names of four individuals be given, including at least two teachers (preferably in the sciences) qualified to give an estimate of the applicant's ability for carrying the work in pharmacy. These reports must recommend the applicant for admission.

G. The dean and the committee on admissions may require a personal interview with the applicant.

H. Applicants are urged to take the Pharmacy College Admissions Test in the fall or winter preceding admission.

I. Students are admitted in August only. Applications should be submitted in the winter preceding admission.

Applicants for "early decision" must file no later than November 15 and all required materials must be received prior to December 15. Notification of these "early decision" applicants will be made by February 15. Regular applicants are notified about April 15.

*Up to 6 of the required 24 semester hours of electives may be satisfied by additional credits in these specific subjects. Credits in organic chemistry will not be accepted.

**Algebra and trigonometry represent the minimum level acceptable. Students qualifying for higher level mathematics upon entrance to a college from high school are still expected to provide 6 semester hours credit in this area.

***Humanities, social sciences, and liberal arts work are creditable to this area. Physical education is not creditable. In general, courses that are non-science or in the non-business area meet the requirements for elective credit.

J. Students planning to enter an accredited college on high school graduation should plan their high school programs to meet the requirements for admission in the college where they will take the prerequisite work for admission to pharmacy. High school programs rich in mathematics and the sciences are excellent preparation for the study of pharmacy. The Board of Visitors, the administration, and the faculty of Virginia Commonwealth University are committed to a policy of equal opportunity without regard to race, creed, or national origin.

K. Further information and application materials are obtained by writing:

CHAIRMAN, ADMISSIONS COMMITTEE
SCHOOL OF PHARMACY
VIRGINIA COMMONWEALTH UNIVERSITY
MCV STATION, BOX 666
RICHMOND, VIRGINIA 23298

L. At the present time, applications for the Pharm. D. program are being considered only from applicants who have received the B.S. degree in pharmacy or who will receive it prior to enrollment in the program. An integrated program has been authorized but will not be offered prior to revision of the baccalaureate curriculum. Information concerning other admissions requirements can be obtained by writing to the Chairman, Pharm.D. Admissions Committee, at the above address.

FINANCIAL ASSISTANCE

Insofar as money is available from private, state, and federal sources, university officials make a sincere effort to see that qualified students are not denied admission because of their lack of funds. These efforts are continued after admission, should a student's financial circumstances preclude his remaining at MCV/VCU. Because of the uncertainty in funding a number of federal aid programs for students in the health professions, students are urged to make every effort to obtain needed funds through their own local sources.

Application forms for financial aid, as well as the pamphlet "Financial Aid for Students" which contains complete information on financial aid, may be obtained on request to the Financial Aid Officer, Medical College of Virginia, Virginia Commonwealth University, MCV Station, Box 244, Richmond, Virginia 23298.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 First Year Class	1980-81 "Projected" First Year Class
Filing of formal application by applicant	Filing of formal application by applicant
Earliest date: September 1, 1978	Earliest date: September 1, 1979
Latest date: March 15, 1979	Latest date: March 15, 1980
Application fee: $10.00	Application fee: $10.00
Notification of acceptance by school	Notification of acceptance by school
Earliest date: February 15, 1979	Earliest date: February 15, 1980
Latest date: August 15, 1979	Latest date: August 15, 1980
Usual time from receipt of complete application to acceptance notice: Varies	Usual time from receipt of complete application to acceptance notice: Varies
Other information on 1979-80 1st Year Class	Other information on 1980-81 1st Year Class
Starting date: August 27, 1979	Starting date: August 25, 1980 (tent.)
Ending date: May 17, 1980	Ending date: May 16, 1981 (tent.)
Estimated size of class: 96	Estimated size of class: 96

GENERAL COMMENTS ON 1979-80 and 1980-81 FIRST YEAR CLASSES

Applicant response to acceptance offer:
Preferred time for response: 3 weeks   Maximum time: 3 weeks
Deposit fee to hold place in class (applies on tuition): $50.00, due 3 weeks from date of acceptance

EXPENSES PER YEAR FOR 1979-80 FIRST YEAR CLASS AND "PROJECTED" 1980-81 FIRST YEAR CLASS

Tuition and Fees per year (1979-80)	Tuition and Fees per year (1980-81)
Resident: $1,175.00 Non-resident: $2,020.00	Resident: $1,175.00 Non-resident: $2,020.00
Estimated expenses per year (1979-80)	Estimated expenses per year (1980-81)
Room and Board (minimum): $1,420 to $1,510	Room and Board (minimum): $1,420 to $1,510
Books and Supplies: $175.00	Books and Supplies: $200.00

INFORMATION ON 1978-79 FIRST YEAR CLASS

Number of	Instate	Out-of-state, U.S.	Foreign	Total
Students	92	4	0	96

UNIVERSITY OF WASHINGTON
SCHOOL OF PHARMACY
2-3 Program Type

GENERAL INFORMATION

The University of Washington School of Pharmacy provides an instructional program based on two years of prepharmacy study and a three-year professional program that includes studies in liberal arts, basic sciences, pharmaceutical sciences, pharmacy practice and the application of this knowledge to good patient care. The school also aspires to cultivate a high regard for professional ethics and the concept of patient service.

Pharmacy is a unit of the Health Sciences Center. Other units include; Dentistry, Medicine, Nursing, Public Health and Community Medicine. The school shares facilities in Bagley Hall and in the Health Sciences Center. Numerous other facilities are available for undergraduate and graduate training, including: University Hospital, Harborview Medical Center, Children's Orthopedic Hospital and Medical Center, University of Washington Drug Information Services and the Hall Student Health Center.

CURRICULUM

A five-year curriculum based upon two years of college prepharmacy work and three years of study in the School of Pharmacy leads to the Bachelor of Science in Pharmacy Degree.

The objective of the curriculum is to provide the scientific and professional training essential in the education of pharmacists. This training assures the possession of knowledge and skills required to assume, with competence, a role in providing pharmaceutical service to society. Additionally, the in-depth scientific and professional training qualifies those graduates who so wish to undertake a program of advanced study.

The curriculum provides for specialization in one of several areas of practice, including community pharmacy, clinical pharmacy, hospital pharmacy, nursing home pharmacy and pharmacy administration. On-site experiential training is offered at the University Hospital, the University affiliated hospitals and through the various health care facilities throughout the local metropolitan area. Externships, service-oriented projects, and clerkships are available for experimental learning of both traditional and innovative practice roles.

Address admission inquiries to: Chairman, Admissions Committee, School of Pharmacy, Bagley Hall, BG-20, University of Washington, Seattle, Washington, 98195.

REQUIREMENTS FOR ENTRANCE

PRE-PHARMACY

Minimum preparation for freshman standing as premajors in the College of Arts and Sciences includes graduation from an accredited high school with an overall grade-point average of 2.50 (3.00 for nonresidents) and completion of three years of English, two years of one foreigh language, two years of college preparatory mathematics (usually algebra and geometry), one year of a laboratory science (preferably biology, chemistry, or physics), two years of a social science and three years of electives chosen from the above areas. In order to make normal progress in the prepharmacy program, the applicant should have had two years of mathematics and one year each of biology, chemistry, and physics. Applicants must present test scores from the Washington Pre-College Test, or Scholastic Aptitude Test or American College Test. Admissibility is determined from the combined test score and grade-point average.

PHARMACY

To be considered for admission to the School of Pharmacy, applicants must complete the following college level prepharmacy courses: one year each of biology, general chemistry, organic chemistry, physics and English Composition and/or Speech. Mathematics through the first course in calculus and electives in Humanities and/or Social Sciences to total at least 90 quarter credits.

The academic record must show an overall college grade-point average of at least 2.00 for resident and 3.00 for out-of-state applicants.

Applicants must submit applications for Admission to the University of Washington and to the School of Pharmacy. Both applications are available from the Chairman, Admissions Committee, School of Pharmacy. A complete set of official transcripts, including high school, must be forwarded to the Office of Admissions, University of Washington, and a complete set of post high school transcripts forwarded to: Chairman, Admissions Committee, School of Pharmacy.

Although the Pharmacy College Admission Test (PCAT) is not required for admission in 1979-80, it is recommended that each applicant submit PCAT scores which may be used as supportive documentation for admission. (It is anticipated that the PCAT will be required of all applicants seeking admission for 1981-82 and therefore, applicants seeking placement for the Fall, 1981, should take the PCAT during the Fall, 1980). Applicants must arrange for a personal interview with the Pharmacy Selection Committee.

Out-of-state applicants who are unable to appear for a personal interview may, in lieu, submit three letters of recommendation; two of which must be from science instructors, and are required to present test scores of the Pharmacy College Admission Test (PCAT). Detailed information is available from the Chairman, Admissions Committee, School of Pharmacy.

All applications, transcripts and letters of recommendation and test scores must be received by April 1 for first consideration.

Applicants from other institutions who have not completed the preprofessional requirements, as well as those seeking entrance to the freshman class, may apply for admission to the College of Arts and Sciences as prepharmacy majors provided they fulfill the minimum criteria for admission to the University. Students applying for admission to the College of Arts and Sciences as prepharmacy majors may apply as late as July 1 and need not submit a Pharmacy Application.

SELECTION FACTORS

Admission to the School of Pharmacy at the University of Washington is selective. Students will be admitted on the basis of several criteria, some of which are: probability of completing a degree program, potential as a practitioner as determined in part from the personal interview, past academic performance, performance in certain science courses, residence status, and early submission of complete credentials. Special consideration is given on the basis of ethnic origin.

ADVANCED PLACEMENT TESTS

Students who have completed college-level courses in high school through the Advanced Placement Program should have the results submitted to the Bureau of Testing.

Washington Pre-College Test Scores are used to assign students to the appropriate courses in mathematics and English.

FINANCIAL AID

Students seeking financial aid may apply by writing directly to the Office of Student Financial Aid, 105 Schmitz Hall PE-20, University of Washington, Seattle, Washington 98105. To the extent that resources are available, the Office of Student Financial Aid will attempt to meet the needs of eligible applicants. Applications must be on file by March 1.

The School of Pharmacy has a number of scholarships and grants-in-aid that are awarded annually to pharmacy students.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 First Year Class

Filing of formal applications by applicant.
  Earliest date: September 1, 1978
  Latest date: May 1, 1979
  Application fee: none
Notification of acceptance by school.
  Earliest date: March 1, 1979
  Latest date: August 1, 1979
  Usual time from receipt of complete application to acceptance notice: Varies
Other information on 1979-80 1st Year Class.
  Starting date: October 1, 1979
  Ending date: June 6, 1980
  Estimated size of class: 92

1980-81 "Projected" First Year Class

Filing of formal application by applicant.
  Earliest date: September 1, 1979
  Latest date: May 1, 1980
  Application fee: none
Notification of acceptance by school.
  Earliest date: March 1, 1980
  Latest date: August 1, 1980
  Usual time from receipt of complete application to acceptance notice: Varies
Other information on 1980-81 1st Year Class.
  Starting date: September 29, 1980
  Ending date: June 5, 1981
  Estimated size of class: 92

GENERAL COMMENTS ON 1979-80 and 1980-81 FIRST YEAR CLASSES

Applicant's response to acceptance offer.
  Time allowed for response: 20 days
  Advance fee payment (applies on tuition): $50.00
Applicants who are found admissible will be requested to confirm their intention to attend the University by returning a $50.00 advance fee payment, which is not refundable.

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

1979-80 First Year Class

Tuition and Fees per year
  Resident: $687.00
  Non-resident: $2,394.00
Estimated expenses per year:
  Room & Board (minimum): $1,500.00
  Books & Supplies: $300.00
  Personal Expenses: $700.00

1980-81 "Projected" First Year Class

Tuition and Fees per year
  Resident: $687.00
  Non-resident: $2,394.00
Estimated expenses per year:
  Room & Board (minimum): $1,500.00
  Books & Supplies: $300.00
  Personal Expenses: $700.00

NOTE: The above fees and expenses are for the 1978-79 academic year. The University reserves the right to change fees without notice.

ESTIMATED INFORMATION ON 1978-79 FIRST YEAR CLASS

Number of Students	In-state	Out-of-State, U.S.	Foreign	Male	Female	Total
	83	9	0	45	47	92

WASHINGTON STATE UNIVERSITY
COLLEGE OF PHARMACY
1-4 Program Type

Address inquiries to: Chairperson
Committee on Admissions
Tel. 509/335-4750
College of Pharmacy
Washington State University
Pullman, WA 99164

GENERAL INFORMATION

The College of Pharmacy is one of eight colleges of Washington State University, a land-grant institution located in Pullman, a small university town in the southeastern part of the state. The university campus in Pullman has modern and traditional classroom buildings, special instructional and research facilities, student resident dormitories and apartment buildings, libraries, auditoriums, a performing arts coliseum, gymnasiums, and hospital facilities. The College of Pharmacy is located on the first, second and third floors of College Hall which is directly between the main library and the chemistry and biological sciences buildings. In College Hall are located lecture, conference and seminar rooms, teaching laboratories, faculty and administrative offices, the College of Pharmacy library, the Drug Information Center and research laboratories for pharmacology, pharmacognosy, medicinal chemistry, and biopharmaceutics. Teaching and training programs in clinical pharmacy and a controlled externship program are provided in hospitals and pharmacies throughout the state.

CURRICULUM

The professional educational program is designed to prepare graduates for a lifetime of responsible service in a variety of careers in pharmacy. To achieve this goal, the professional curriculum is built upon a solid foundation of general sciences and mathematics and is integrated with courses in the humanities and social sciences. During the professional years of instruction, special attention is given to developing in students concern for the total health care of patients and the general public. The clinical pharmacy program on campus and in cooperating hospitals emphasizes the role of the pharmacist in patient care both in institutions and in community practice. The preclinical basic science courses are carefully designed to prepare students for such experience. The schedule of studies is a five-year program made up of one preprofessional year and four professional years. A student who has completed 60 semester or 90 quarter hours and all of the nonprofessional courses required in the first professional year as well as those of the prepharmacy year may be admitted into the second year of professional study. Three academic years (6 semesters), or the equivalent, is the minimum amount of enrollment needed to achieve the Bachelor of Pharmacy degree. Superior students who qualify may participate in the university-wide Honors Program. Special courses in the humanities and social sciences and a variety of colloquia and seminars are open to such students.

All applications for admission may be obtained from and are processed through the Office of Admissions, French Administration Building, Washington State University, Pullman, WA 99164. Selection of students admitted is made by the Admissions Committee of the College of Pharmacy.

REQUIREMENTS FOR ENTRANCE

1. The preprofessional studies may be taken at Washington State University or at any accredited college or university having the required courses.
2. Applicants must submit applications for admission prior to March 1 for admission to the following fall semester.
3. Not less than 30 semester or 45 quarter hours of credit are required for admission to the first professional year. The following courses should be included and should carry no less than the indicated semester hours of credit.

Course	Semester Credit Hours
Introductory Biology	8
General Chemistry and Qualitative Analysis	8
Introductory Calculus	4
English Composition	3
Humanities and Social Science Electives	3
Other Electives	4

4. A personal interview with a member of the College of Pharmacy Admissions Committee or with a representative of the College selected by the dean is required. Applicants living a great distance from Pullman should write to the Chairperson, Committee on Admissions to make arrangements concerning the interview.

SELECTION FACTORS

1. Admission to the Washington State University College of Pharmacy is selective. Determination of admission is based upon the applicant's academic record, test results appearing on the candidate's academic credentials, recommendations, and the personal interview.
2. The race, creed and sex of the applicant are not considered in the admission procedure. Members of minority groups are invited to apply.
3. Generally candidates for admission should have achieved at least a 2.5 cumulative grade point average (A=4) on previous college or university academic work. A special value is placed on academic performance in science and mathematics courses, on motivation to serve, and on communication skills.
4. Because the number of applicants to the professional program exceeds the number of students who can be admitted, no assurance can be given that those who successfully complete the prepharmacy program will be admitted to the College.
5. The Pharmacy College Admission Test (PCAT) is not required.

ADVANCED PLACEMENT TESTS

Washington State University may grant advanced placement and credit to students who submit a score of three (3) or higher on College Entrance Examination Board College Level Advanced Placement Examinations. Washington State Institutional Entrance Placement

Examinations and scores on the Washington Pre-College Test plus high school achievement are other measures of establishing placement and credit. Students who want specific and complete information should write to the Office of Admissions, Washington State University, Pullman, WA 99164.

FINANCIAL AID

A complete program of financial assistance for new and continuing students is available at Washington State University through the Office of Student Financial Aids. In addition, special scholarship and loan funds for students in the College of Pharmacy are provided by alumni and friends of the College, pharmaceutical associations and their auxiliaries, the state and federal governments, business and industry. Qualified students may obtain assistance in the form of loans, scholarships, part-time work, or some combination of these aids.

Financial aid awards are made on the basis of demonstrated need. To qualify, a student must be in good academic standing in the College and be making normal progress toward the Bachelor of Pharmacy degree. Special programs of academic and financial aid are available to minority students who gain admission. Information concerning applications for financial aid may be obtained from the Office of Student Financial Aids, Room 444, French Administration Building, or from the office of the Dean, College of Pharmacy, Washington State University, Pullman, WA 99164.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 First Year Class

Filing of formal application by applicant
- Earliest date: December 1, 1978
- Latest date: March 1, 1979
- Application fee: None

Notification of acceptance by school
- Between April 27 and May 6, 1979

Other information on 1979-80 First Year Class
- Starting date: September 24, 1979
- Ending date: June 6, 1979
- Estimated size of class: 60

1980-81 "Projected" First Year Class

Filing of formal application by applicant
- Earliest date: December 1, 1979
- Latest date: March 1, 1980
- Application fee: None

Notification of acceptance by school
- Between April 28 and May 5, 1980

Other information on 1980-81 First Year Class
- Starting date: Not available
- Ending date: Not available
- Estimated size of class: 60

GENERAL COMMENTS ON 1979-80 AND 1980-81 FIRST YEAR CLASSES

Applicant response to acceptance offer
- Preferred time for response: 2 weeks
- Maximum time: June 1, 1979; June 1, 1980
- Deposit fee to hold place in class (applied to tuition): $50, due after notice of eligibility to enroll and prior to final admission
- Deadline for cancellation of acceptance: Nonrefundable

Expenses Per Year For 1979-80 First Year Class and "Projected" 1980-81 First Year Class

Tuition and Fees per year (1979-80)
- Resident: $ 686 subject to change
- Non-resident: $2,394 subject to change

Estimated expenses per year (1979-80)
- Room and Board (multiple occupancy; 20 meals per week): $1,630
- Books and Supplies: $ 275
- General Damage Deposit: $ 15

Tuition and Fees per year (1980-81)
- Resident: $ 564 with increase likely
- Non-resident: $1,581 with increase likely

Estimated expenses per year (1980-81)
- Room and Board (multiple occupancy; 20 meals per week): $1,710
- Books and Supplies: $ 275
- General Damage Deposit: $ 15

ESTIMATED INFORMATION ON 1978-79 FIRST YEAR CLASS

Number of Students	Instate	Out-of-State, U.S.	Foreign	Male	Female	Total
60	44	11	5	27	33	60

WEST VIRGINIA UNIVERSITY
SCHOOL OF PHARMACY
2-3 Program Type

GENERAL INFORMATION

The School of Pharmacy of West Virginia University is a state-supported professional school which traces its history of development from 1914. In that year the school was almost a nonentity in a small land-grant university, and as a department in the School of Medicine, it was scattered in various buildings on the old campus. Finally, Pharmacy was assigned three rooms in the "new" Medical Building which has since been demolished. In 1915 the Pharmacy Department assumed an auxiliary function that it is still responsible for today - pharmaceutical services for the University student body. The first graduating class came in June 1917 when four Pharmacy students were among the 121 students who received degrees at the University's 50th Commencement. In 1920, the Pharmacy Department moved to the basement of Woodburn Hall which stands today as a University landmark. Twenty-two years after its inception, pharmacy was discontinued as a department and received full status as a College of the University. In 1937 the first officers of the Pharmacy Alumni Association were elected. This proved to be the beginning of what is known today as the most active alumni group of WVU. In 1950, for purposes of expansion, the College moved from Woodburn Hall, its home for 30 years, to Science Hall. The Student Branch of the A.Ph.A. was established in 1948. Alpha Mu Chapter of Rho Chi Pharmacy Honor Society was installed in 1949. Kappa Psi Pharmaceutical Fraternity was reactivated in 1954. To bring student wives into the picture, the Asclepianns was organized in 1958. Lambda Kappa Sigma, a professional sorority, installed the Alpha Omicron Chapter in 1960. A particularly eventful year was 1958 when the Board of Governors approved a name change - from College of Pharmacy to School of Pharmacy - to conform with the other professional schools to be housed at the Medical Center. In July of 1958 the School moved from the Main Campus into its presently occupied spacious facilities in the Basic Sciences Building of the new Medical Center Campus.

CURRICULUM

The professional program in the School of Pharmacy, leading to a Bachelor of Science in Pharmacy, is designed to equip the student with the scientific and technical knowledge required for the broad scope of pharmaceutical practice and to inculcate in the student a concept of the pharmacist's professional responsibilities as a guardian of the public health. The three year professional curriculum which follows a minimum of two years of pre-pharmacy requirements in any accredited college, involves study in the basic medical sciences and in the areas of pharmaceutics, pharmaceutical chemistry, pharmacology and therapeutics, pharmacognosy, pharmacy administration, pharmacy practice and clinical pharmacy. Admission to the School of Pharmacy is effected through the West Virginia University Medical Center Office of Admissions and Records. The office is located in Room 1171, Basic Sciences Building, Medical Center, Morgantown, West Virginia 26506. Telephone (304) 293-3521/2. A pre-pharmacy advisor is available for counseling at the School of Pharmacy. The Dean and Admissions Committee of the School will make all final selections for admission. Complete information may be obtained from: Office of the Dean
West Virginia University
School of Pharmacy
Morgantown, WV 26506
(304) 293-5211/2/3

The determination of student status, advancement and graduation is handled by the Committee on Academic Standards in the School of Pharmacy and is subject to approval of the Dean.

REQUIREMENTS FOR ENTRANCE

1. Admission to the School of Pharmacy is based on the satisfactory completion of a minimum of two years of pre-pharmacy requirements in any accredited college. Pre-pharmacy requirements are as follows:*

College Algebra	3 hr.	Physics	8 hr.
Trigonometry	3 hr.	Electives from Core	
English Composition	6 hr.	Group A (Arts 12	
Principles of Economics	6 hr.	hr. and Humanities)	
Biology, General	8 hr.	Core Group B 6 hr.	
Chemistry, General	8 hr.	(Social Sciences)	
Chemistry, Organic	8 hr.		
		Total	68

*Certain modifications in specific course requirements are allowable at the discretion of the Admissions Committee of the School of Pharmacy.

2. While in high school you should determine the college you wish to attend and gain admission by contacting the Director of Admissions at that college.
3. For admission to the School of Pharmacy, formal application should be made to the Admissions Committee of the School during the fall semester and completed as early as possible after January 1, but before April 1, preceding the fall term in which the student is seeking enrollment.
4. West Virginia University does not limit its applicants to residents of the State; however, priority will be given to highly qualified resident applicants.
5. A personal interview with the Committee on Admissions will be required. Interviews will be held at the WVU Medical Center during February, March and April.

SELECTION FACTORS

1. Admissions to the School of Pharmacy are competitive and are based on the pre-pharmacy academic record and a personal interview.
2. Completion of the Pharmacy College Admission Test is required.
3. Only applicants with a cumulative and science average of 2.50 or above will be called for an interview unless openings are available.
4. Approximately two weeks after interview, the applicant will receive a letter of acceptance, rejection or will be placed on a hold list.

WEST VIRGINIA UNIVERSITY
SCHOOL OF PHARMACY

ADVANCED PLACEMENT TESTS

Students from other accredited schools of pharmacy may be admitted with advanced standing provided they meet the pre-pharmacy requirements of WVU, have a competitive average, and are eligible for readmission for the degree in pharmacy in the school previously attended. "D" grades in professional courses will not be transferred.

FINANCIAL AID

If students enrolled in the professional curriculum have problems meeting the costs of higher education, the School will make every effort to assist with available funds. Both scholarship and loan funds exist for students demonstrating financial need. Awards of a limited monetary value are also available for service activities and high academic achievement. Information is available in the WVU Medical Center Catalog or on request from the Office of the Dean.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 First Year Class

Filing of formal application by applicant
   Earliest date: January 1, 1979
   Latest date: March 30, 1979
   Application fee: $10.00
Notification of acceptance by school
   Earliest date: March 4, 1979
   Latest date: Not available
   Usual time from receipt of complete application to acceptance notice: varies
Other information on 1979-80 First Year Class
   Starting date: August 22, 1979
   Ending date: May 8, 1980
   Estimated size of class: 71

1980-81 "Projected" First Year Class

Filing of formal application by applicant
   Earliest date: January 1, 1980
   Latest date: March 30, 1980
   Application fee: $10.00
Notification of acceptance by school
   Earliest date: March 3, 1980
   Latest date: Not available
   Usual time from receipt of complete application to acceptance notice: varies
Other information on 1980-81 First Year Class
   Starting date: August 20, 1980
   Ending date: May 7, 1981
   Estimated size of class: 71

GENERAL COMMENTS ON 1979-80 and 1980-81 FIRST YEAR CLASSES

Applicant response to acceptance offer
   Preferred time for response: 30 days
   Maximum time: varies
   Deposit fee to hold place in class (applies on tuition: $50.00, due with applicant's response.
   Deadline for cancellation of acceptance: None, deposit forfeited if applicant fails to enroll.

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

1979-80 Freshman Class

Tuition and Fees
   Resident: $453.00
   Non-resident: $1,453.
Room and Board (minimum): $1,400.00
Books and Supplies: $250.00
Lab Fees: None
Other Required Expenses: None

1980-81 "Projected" Freshman Class

Tuition and Fees
   Resident: $453.00
   Non-resident: $1,453.00
Room and Board (minimum): $1,400.00
Books and Supplies: $275.00
Lab Fees: None
Other Required Expenses: None

ESTIMATED INFORMATION ON 1979-80 FIRST YEAR CLASS

Number of Students	Instate	Out of State, U.S.	Foreign	Male	Female	Total
74	67	7	0	30	44	74

UNIVERSITY OF WISCONSIN-MADISON
SCHOOL OF PHARMACY
2-3 Program Type

GENERAL INFORMATION

The University of Wisconsin School of Pharmacy was established by the Wisconsin legislature in 1883 as the second school of pharmacy in the United States associated with a state university. The beginnings of the school were modest--the physical plant consisted of a single laboratory and the student body numbered only 28. Nonetheless, the leadership and inspiration provided by the first director of the school, Dr. F. B. Power, made it a prominent force in the development of pharmacy as a profession in the state of Wisconsin and the United States.

As a result of his foresight and vision, Dr. Power established the pattern that the school was to follow through its history. It has continued to serve the citizens of the state by training pharmacists and uplifting the profession. The University of Wisconsin School of Pharmacy was the first in the country to establish a four-year curriculum (optional) leading to the Bachelor of Science degree; it was also the first to offer postgraduate work leading to the Master of Science and Doctor of Philosophy degrees. It pioneered in the areas of physical pharmacy, history of pharmacy, social studies of pharmacy, and pharmacy administration, both undergraduate and postgraduate.

The School of Pharmacy is a part of the Center for Health Sciences. Other units are the Medical School, School of Nursing, University Health Service, University Hospitals, State Laboratory of Hygiene, and the Wisconsin Psychiatric Institute.

In the field of continuing adult education, the School of Pharmacy has again demonstrated the philosophy of the University of Wisconsin--that the boundaries of the campus are the boundaries of the state.

CURRICULUM

The two-year prepharmacy curriculum is composed of required courses which provide students with an understanding of the basic sciences and electives which give students the opportunity to widen their perspectives. In the three-year professional curriculum, emphasis is placed 1) on the master of the pharmaceutical science coursework necessary for the practice of pharmacy, and 2) on the education of the students as professionals who will be able to develop their own potential to meet the challenges presented by the quickly changing field of drug therapy. Clinical experiences are provided in several ways. Orientation to Pharmacy Practice (Externship), a three-credit elective offered in the second professional year, places the student in either a hospital or community pharmacy for a basic introduction to pharmacy. Under the supervision of the pharmacist, the student engages in a work-dialogue situation which is followed by a weekly discussion session with other students and the course director. Instructional sites within a 90-mile radius from Madison are utilized. In the third professional year, ten credits of required clinical coursework are offered. Both inpatient and outpatient courses are taught with didactic and clerkship components. The inpatient clerkship places each student on a medical team in either the University of Wisconsin Hospitals or the Veterans Administration Hospital daily for a five-week period. The outpatient clerkship is taught through the Outpatient Departments of the previously mentioned facilities and the University Student Health Service, St. Mary's Hospital Family Practice Clinic, and selected outreach pharmacies. Elective clinical courses and clerkships are offered in the areas of geriatrics and extended care.

REQUIREMENTS FOR ENTRANCE

The specific course requirements for admission to the School of Pharmacy which should be met by the end of the sophomore year are:

Course	Semester Credits
English, one semester of literature or intermediate composition	3
Chemistry	17
General inorganic and qualitative analysis, 9	
Organic, 8	
Calculus, first semester college	4-5
General physics	8
Zoology	5
Economics	3-4
Electives, to give a total of	62-64

Credits earned in required courses listed above in excess of the indicated minimum number may be applied toward the elective credit total.

No student with course or credit deficiencies will be admitted to the School of Pharmacy.

Students are not encouraged to take courses in bacteriology, quantitative analysis, physiology, or biochemistry because pharmaceutically oriented courses in these areas are required in the pharmacy curriculum.

SELECTION FACTORS

Admission to the School of Pharmacy is based on the following considerations:

1. Grade-Point Averages. Applicants whose cumulative grade-point average and grade-point average in the required prepharmacy courses are at least 2.75 will be placed in a first priority group. (A=4.0) Calculations of grade-point averages will be based on all courses taken, whether passed or not. In the case of a repeated course, all grades earned in the course will be included. No applicant with a cumulative grade-point average of less than 2.0 will be considered for admission.
2. Pharmacy College Admission Test (PCAT). Each applicant must submit scores from the PCAT. Applicants are urged to take the PCAT in November. Results of the PCAT will be used in conjunction with other admission criteria to determine the applicant's capability for successful completion of pharmacy school.
3. General.
   a. Two letters of recommendation are required of each applicant and will be used in conjunction with other admission criteria to aid the Admissions Committee in their final selection.

b. Applicants may be requested to attend a personal interview with one or more members of the Admissions Committee.

c. Preference for admission will be given to qualified Wisconsin residents. Up to twenty-five percent of the class admitted may be non-resident applicants of superior quality.

d. The admission limits imposed do not conflict with the School of Pharmacy's commitment to increase the enrollment of minority students. All qualified persons from minority groups previously and presently underrepresented in the profession will be admitted.

Applicants will be notified of the admission decisions during the month of April. An admission decision is provisional when made prior to completion of the coursework in progress. A student admitted to the School of Pharmacy begins professional study in the fall semester. It is not possible to enter the School of Pharmacy in the spring semester or summer session due to the sequential nature of the courses in the professional curriculum. Six semesters of residence as a full-time student are required for graduation.

FINANCIAL AID

The Office of Student Financial Aids, 432 N. Murray St., Madison, WI 53706, coordinates undergraduate scholarships, grants, loans, the work-study program, and student employment. Of special interest to pharmacy students is the Health Professions Student Loan Program.

Financial aid is awarded on the basis of demonstrated financial need. Assistance is generally offered through a combination of types of aid, and an application to the office entitles a student to consideration for all types of financial aid. Application forms and more detailed information are available from the Office of Student Financial Aids. The priority date for application is March 1.

Certain scholarships, awards, and loans from funds donated to the School of Pharmacy are granted to pharmacy students on the basis of scholarship and need. Address inquiries to the Dean, School of Pharmacy.

ADDITIONAL INFORMATION

Applicants must meet the admission requirements published in the most recent edition of the School of Pharmacy Bulletin.

For complete, up-to-date information regarding admission policy and requirements, applicants are advised to contact the School of Pharmacy directly.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 First Professional Year Class

Filing for formal application by applicant.
  Earliest date: October 1, 1978
  Latest date: February 1, 1979
  Application fee: None
Notification of acceptance by school.
  Earliest date: April 1, 1979
  Latest date: August 15, 1979
Class
  Starting date: September 4, 1979
  Ending date: May 21, 1980
  Estimated size of class: 190

1980-81 "Projected" First Professional Year Class

Filing for formal application by applicant.
  Earliest date: October 1, 1979
  Latest date: February 1, 1980
  Application fee: None
Notification of acceptance by school.
  Earliest date: April 1, 1980
  Latest date: August 15, 1980
Class
  Starting date: September 2, 1980
  Ending date: May 20, 1981
  Estimated size of class: 190

GENERAL COMMENTS ON 1979-80 AND 1980-81 FIRST PROFESSIONAL YEAR CLASSES

Applicant response to acceptance offer.
  Preferred time for response: 30 days
  Deadline for response: 30 days
  No deposit fee.

ESTIMATED EXPENSES PER YEAR FOR FIRST PROFESSIONAL YEAR CLASS

(Note! Expenses for 1979-80 and 1980-81 are not available. Expenses for 1978-79 are supplied for reference, subject to change without notice.)

Tuition per academic year:
  Resident: $ 812
  Non-resident: 2,946

Room and Board (dormitory): $1,350 - $1,800
Books and Supplies: $175 - $250
Lab fees: None

ESTIMATED INFORMATION ON 1978-79 FIRST YEAR CLASS

Number of Students	Instate	Out-of-State	Foreign	Female	Male	Total
190	160	28	2	114	76	190

UNIVERSITY OF WYOMING
SCHOOL OF PHARMACY
2-3 Program Type

GENERAL INFORMATION

The University of Wyoming School of Pharmacy is recognized throughout the United States. Accredited by the American Council on Pharmaceutical Education, the school also belongs to the American Association of Colleges of Pharmacy and adheres to the high education standards set by this national organization. A University of Wyoming Bachelor of Science degree in Pharmacy meets the education requirements for registration as a pharmacist in Wyoming, in all other states, and in the District of Columbia. The UW School of Pharmacy faculty has professors experienced in teaching, dedicated to their field, and skilled in the areas of research. Teaching in small classes assures each student individual attention. Faculty members advise students on courses and other University matters.

The School of Pharmacy is housed in a new building at the heart of the recently-constructed science complex on the University campus. In the building are faculty offices, faculty and student lounges, classrooms, seminar-study rooms, a conference room, a reading-reference room and fourteen well-equipped laboratories. In addition, there is an independent testing and learning center equipped with carrels, tape recorders, slide projectors and cathode ray terminals for computer-managed and computer-aided instruction.

CURRICULUM

The aim of the UW School of Pharmacy is to provide students with the broad educational background while guiding them into enough fields of specialty so they are able to choose with confidence one of the many available careers in pharmacy.

Required and elective courses of instruction have been determined in accordance with standards established by the American Association of Colleges of Pharmacy and the American Council on Pharmaceutical Education, in consideration of a variety of postgraduate careers, and bearing in mind the backgrounds making for good citizenship and a well-rounded education.

The Bachelor of Science degree in Pharmacy at UW requires a minimum of 164 semester hours credit in required and elective courses. One semester is devoted to clerkship involving learning experiences in hospitals, community pharmacies, nursing homes and health-related agencies. Students must have a minimum of three academic years work in residence in the UW School of Pharmacy's professional program. In most instances, residence work earned in professional programs at other accredited schools and colleges of pharmacy will be applied toward partial fulfillment of this three-year residence requirement.

Address inquiries to: Dr. Jack N. Bone, Dean
School of Pharmacy
University of Wyoming
Box 3375, University Station
Laramie, Wyoming 82071

REQUIREMENTS FOR ENTRANCE

Graduates of fully-accredited senior high schools may be admitted to the First Year (Preprofessional) in the five-year degree program of the School of Pharmacy. It is recommended that the candidate have a good academic background in mathematics, English, and science. During the First Year (Preprofessional) and Second Year (Preprofessional), students should enroll in the courses or their equivalent as indicated under Curriculum, First Year (Preprofessional) and Second Year (Preprofessional). Reference should be made to the curriculum pamphlet which may be obtained from the School of Pharmacy. To gain admission to the Third Year (Professional) of the five-year degree program, a student must have completed all of the courses listed in the First Year and Second Year or their equivalents with the exception of Political Science 305D. Of particular importance is Organic Chemistry. If courses have not been completed equivalent to Chemistry 528FG, 529D, it will take more than three years (six semesters) to complete the pharmacy degree at the University of Wyoming.

Admission with advanced standing may be obtained by the presentation of certified credits from other accredited colleges and universities. A grade average of 2.00 (C) or better in all college work previously undertaken is required for transfer admission. Failure to list institutions previously attended may result in loss of credit or dismissal from this University. It is the general policy of the University not to grant final credit for work done elsewhere until the student has completed at least one semester with a minimum of 12 credit hours of resident work and a grade average of 2.00 (C) or better. Particularly in course work taken elsewhere which is to be applied toward the requirements for a Bachelor of Science degree in Pharmacy at this University, the right is reserved to grant transfer credit only in those courses where a grade of 2.00 or better has been earned.

SELECTION FACTORS

Transfer students from accredited colleges or universities, who meet the specified requirements of the first preprofessional year may be admitted to the second preprofessional year of the five-year degree program. These transfers may qualify for their degrees in Pharmacy in four additional years. Transfer students who have previously attended college for two or more academic years, who have the proper course pattern, and who meet other necessary requirements may begin work in the third year. They thereby are afforded the opportunity to meet the requirements for a degree in pharmacy under the five-year degree program, with a minimum of three academic years of residence work in the professional program in this School. The Pharmacy College Admission Test is recommended. Applicants will be selected on the basis of available data which indicate the chance for success. Considerable emphasis is placed on grade point average.

NOTE: Students will be required to live in locations other than Laramie when enrolled in Clinical Clerkship.

UNIVERSITY OF WYOMING
SCHOOL OF PHARMACY

ADVANCED PLACEMENT TESTS

Three main types of credit by examination are: (1) the College Entrance Examination Board (CEEB) Advanced Placement Examinations, (2) examinations prepared by University of Wyoming academic departments, and (3) College-Level Examinations Program (CLEP). The University will award credit on the basis of scores of 3, 4, or 5 in CEEB Examinations, which are given in mid-May each year by participating high schools. Students unable to make arrangements locally to take these examinations should write to the Program Director, College Board Advanced Placement Examination, P.O. Box 977, Princeton, N.J. 08540. The University-prepared examinations are given during the University's pre-college orientation conferences held on campus every summer and just preceding registration for the fall and spring semesters. The University will grant credit for some of the SUBJECT examinations of the College-Level Examinations Program (CLEP), but credit is not given for the CLEP GENERAL examinations.

FINANCIAL AID

Many financial aids--including scholarships, loans and part-time employment--are available to students planning to enter the School of Pharmacy, as well as to those who are already enrolled in this School. A booklet published annually by the Division of Student Financial Aids lists scholarships, various loan funds, and student employment possibilities in Laramie. School of Pharmacy students are eligible for many general University scholarships and loans. Those interested in more detailed information should request a copy of STUDENT FINANCIAL AIDS from the Division of Student Financial Aids, Box 3335, University Station, University of Wyoming, Laramie, Wyoming 82071. Some scholarships and loan funds are reserved especially for pharmacy students. Financial aid applications should be filed before January 15.

TIMETABLE OF APPLICATION AND ACCEPTANCE

1979-80 Freshman Class

Filing for formal application by applicant.
- Earliest date: October 1, 1978
- Latest date: February 1, 1979

Notification of acceptance by school.
- Earliest date: February 15, 1979
- Latest date: June 1, 1979

Class
- Starting date: August 22, 1979
- Ending date: May 18, 1980
- Estimated size of class: 48

1980-81 "Projected" Freshman Class

Filing for formal application by applicant.
- Earliest date: October 1, 1979
- Latest date: February 1, 1980
- Application fee: None

Notification of acceptance by school.
- Earliest date: February 15, 1980
- Latest date: June 1, 1980

Class
- Starting date: Not available
- Ending date: Not available
- Estimated size of class: 48

GENERAL COMMENTS ON 1979-80 AND 1980-81 FIRST YEAR CLASSES

Applicant response to acceptance offer.
- Preferred time for response: Immediately after acceptance notification.
- Deadline for response: 15 days after acceptance notification.

Deposit required and refund policy if applicant withdraws acceptance: Contact the School of Pharmacy for latest information on deposit required.

ESTIMATED EXPENSES PER YEAR FOR FIRST YEAR CLASS

1979-80 Freshman Class

Tuition and Fees
- Resident: $434.00
- Non-Resident: $1,720.00

Room and Board (minimum): $1,466.00
Books and Supplies: $200.00
Lab Fees: Varies
Other Required Expenses: Varies

1980-81 "Projected" Freshman Class

Tuition and Fees
- Resident: $434.00
- Non-Resident: $1,720.00

Room and Board (minimum): $1,466.00
Books and Supplies: $200.00
Lab Fees: Varies
Other Required Expenses: Varies

ESTIMATED INFORMATION ON 1978-79 FIRST YEAR CLASS

Number of Students	Instate	Out-of-State, U.S.	Foreign	Male	Female	Total
48	18	28	2	36	12	48

SUMMARY OF ADMISSION REQUIREMENTS

For 1982-1983 Freshman Class

An Addendum to the Fourth Edition of PHARMACY SCHOOL ADMISSION REQUIREMENTS

Fall 1981

The Summary of Admission Requirements is intended to provide specific information on application dates, fees and educational costs. It should be noted in some instances a college may indicate that costs are estimated. After reviewing the Fourth Edition and studying the dates, fees and costs, it is recommended the reader contact the Admissions Office of the school(s) he or she is most interested in and request admissions counseling. While every attempt has been made to provide the latest information, final responsibility for all admission requirements rests with the participating schools.

TABLE I. APPLICATION AND ACCEPTANCE
Schools of Pharmacy
Fall 1982-83 Freshman Class

School	Filing of Formal Applications		Notification of Acceptance		Academic Year		Size of Class	Comments
	Latest Date - Fall '81	Fee	Earliest	Latest	Begins (82)	Ends (83)		
Auburn U.	March 1	$15	April 1	July 1	Sept. 25	- **	-*	** 4 qtrs./year *Size of class not given
Samford U.	Aug. 15	$20	2 weeks/1	Aug. 27	Aug. 30	May 28	100	
Arizona, U. of	March 1	$10	April 15	July '82*	Aug. 23	May 13	56	*Specific date not given
Arkansas Medical Center, U. of	March 1	$10*	April 1	June 1	Aug. 16	May 13	75	*Records analysis fee
California, U. of	Jan. 1	$25	April 1	Oct. 1	Sept. 28	June 13	120	
Pacific, U. of the	March 15	$25	April 15	Open *	Sept.*	July *	160	*Specific dates not given
Southern California, U. of	April 1	$35	March 15	Sept.1	Sept. 1	May 12	160	
Colorado, U. of	March 1/2	$20	Sept. 15 (81)	Aug. 1	Sept. 1	May 17	65	
Connecticut, U. of	March 1	$20	Jan. 15	April 15	Sept. 1	May 16	-*	*Size of class not given
Howard U.	March 15	$25	April 1	June 1	Aug.*	May *	60	*Specific dates not given
Florida A&M U.	March 15	$15	Dec. 1	June 1	Aug.*	May*	75	* " " " "
Florida, U. of	March 1	$15	Feb. 1	June 1	Aug. 23	May 1	125	
Mercer U.	Aug. 31	$25	Sept. 1	Aug. 31	Sept. 13	June 3	80	
Georgia, U. of	May *	$15	Jan. *	July *	Sept. *	June *	120	* " " " "
Idaho State U.	March 15/3	$150*	March 15	Aug. 15	Aug. 27	May 13	50	*Transfers
Illinois, U. of	May 1	$20	March 15 (approx)	June 10	Sept.20	June 10	175	
Butler U.	Aug. 30	$15	Sept. 14	Aug. 31	Aug. 31	May 13	60-70	
Purdue U.	Jan. 2	-*	March 15	June 15	Aug. 25	May 7	160	*Not available
Drake U.	June 1	$25	Oct. 1	July 1	Aug. 31	May 13	60	
Iowa, U. of	March 1	$10	March 20	Aug. 1	Aug. 25	May 13	120	
Kansas, U. of	June 1	$50	March 1	June 30	Aug. 18	May 12	75	
Kentucky, U. of	Feb. 1	None	April 1	June 30	Aug. 25	May 14	90	
Northeast Louisiana U.	Aug. 11	$10	March 1	Aug. 18	Aug. 25	May 11	90	
Xavier U. of Louisiana	April 1	$10	May 1	Aug. 1	Aug. 20	May 14	75	
Maryland, U. of	April 1	$15	Feb. 24	Aug. 25	Aug. 25	May 27	80	
Massachusetts College of Pharmacy	June 1	$20	Dec. 1/4	June 15	Sept. 7	May 20	150	
Northeastern U.	/4	$25	/4	/4	Sept.*	*	75	*Specific dates not given
Ferris State College	Jan. 31/2	$15	March 30	May 31	Sept. 14	May 12	135	
Michigan, U. of	March 1	$20	/4	April 15	Sept. 9	April 29	45*	*1st yr. Pharm.D. only
Wayne State U.	June 1	$15	1 month/1	June 15	Sept. 7	May 3	80	
Minnesota, U. of	April 15	$15	March 15	June 7	Sept. 27	June 11	80	
Mississippi, U. of	April 1	None	April 1	July 1	Aug. 27	May 9	110	
St. Louis College of Pharmacy	July 15	$15	March 15	Aug. 1	Aug. 23	May 5	130	
Missouri-Kansas City, U. of	March 1	None	May 15	July 15	Aug. 30	April 29	80	
Montana, U. of	April 15	$100*	May 15	Open	Sept. 20	June 12	40	*May be credited to tuition
Creighton U.	March 15	$20	Feb. 1	July 30	Aug. 30	May 14	75	
Nebraska, U. of	Feb. 1	$10 res. $25 others	Feb. 28	Aug.*	Aug. 29	April 30	75	*Specific date not given
Rutgers U.	Feb. 1	$10	Dec. 15	April 15	Sept. 1 (approx)	May 20	170	
New Mexico	Aug. 1	$15	2 weeks/1	Aug. 23	Aug. 23	May 14	40	
Arnold & Marie Schwartz/L.I.U.	June 1	$15	/4	/4	Sept. 15	June 10	200	

School	Filing of Formal Applications		Notification of Acceptance		Academic Year		Size of Class	Comments
	Latest Date - Fall '81	Fee	Earliest	Latest	Begins (82)	Ends (82)		
St. John's U.	March 1	$10	/4	- *	Sept. 8	May 11	300	*Specific date not given
State U. of New York at Buffalo	July 1	$10*	March 1/1	Aug. 1	Sept. 1 (approx)	May 20	93	*Transfers
Albany College of Pharmacy	- *	$10	2 weeks/1	Feb. 1	Sept. 8	May 20	130	*Specific date not given
North Carolina, U. of	Feb. 1	$15	March 1	April 15	Aug. 23	May 15	165	
North Dakota State U.	Aug. 15	$15	Oct. 1 (81)	Sept. 1 (82)	Sept. 7	May 20	90	
Ohio Northern U.	Aug. 15	$20	/4	Aug. 25 (82)	Sept. 8	May 22	150	
Ohio State U.	May 1	$10	April 26	July 1	Sept. 22	June 11	114	
Cincinnati, U. of	Aug. 15	$25	April 1	Sept. 1	Sept. 29	June 12	75	
Toledo, U. of	/4 *	$20	/4	/5	Sept. 20	June 10	100	*Thru 1st day of classes
Southwestern Oklahoma State U.	April 1	None	May 1		Aug. 13	May 13	120	
Oklahoma, U. of	May 1	$10 Res. $15 non.	Jan. *	July 15	Aug. 23	Aug. 29	72	*Specific date not given
Oregon State U.	May 15	$75*	April 1	July 1	Sept. 28	June 12	85	*Advance registration fee
Duquesne U.	July 1	$20	Oct. 15 (81)	July 1	Aug. 30	May 3	120	
Philadelphia College of Pharmacy	/4	$15	2 weeks /1	-*	-*	-*	150	* " " " "
Temple U.	June 1	$15	Feb.*	June 30	Sept. 8	May 6	140	* " " " "
Pittsburgh, U. of	Jan. 31/6	$15	March 15	Aug. 10	Sept. 7*	April 25	100	*Tentative
Puerto Rico, U. of	Dec. 15	$25	April 15	June 15	Aug.*	May*	110	*Specific dates not given
Rhode Island, U. of	March 1	$15	/1	April *	Sept. 7	May 14	80	* " " " "
Medical U. of South Carolina	July 1	$15	Feb. 15	Aug. 1	Aug. 24	May 1	40-50	
South Carolina, U. of	May 15	None	May 20	Aug. 20	Aug. 26	May 11	102	
South Dakota State U.	April 15	$15	May 15	June 1	Aug. 23	May *	60	*Specific date not given
Tennessee, U. of	Feb. 1	$10 res. $25 non.	March 1	July 1	Sept. 5	June 4	85	
Texas Southern U.	April 15	$25 foreign stdnts.*	May 1	Aug. 1	Aug. 21	Aug. 30	72	*Processing fee
Houston, U. of	May 1	None	March 1	June 1	Aug. 30	May 14	100	
Texas at Austin, U. of	May 1	None	June 1	Aug. 15	Sept. 1	May 14	65	
Utah, U. of	April 15	$25	30 days/1	- *	Sept. 27	June 9	65	*Specific date not given
Virginia Commonwealth U.	None	$10	Dec.*	Aug.*	Aug. 23	May 6	96	*Specific dates not given
Washington, U. of	April 1	None	March 1	May 15	Sept. 27	June 10	60-65	
Washington State U.	March 1	None	April 15	Aug. 15	Sept. 20	June 3	50	
West Virginia U.	April 1/2	$10	March 31	Aug. 15	Aug. 23	May 13	71	
Wisconsin-Madison, U. of	Feb. 1/2	$10 (*)	March */1	Open	Aug. 30	May 21	140	(*) transfers non-UW school *Specific date not given
Wyoming, U. of	July 1	None	2 weeks/1	1 month/1	Aug. 26	May 15	48	

NOTES: Table 1

1. After receipt of all required application forms
2. Applications may be accepted after published date
3. Will accept applications through July 31
4. Rolling Admission policy
5. After receipt of semester grades
6. Admissions Office address changed to: Office of Admissions
University of Pittsburgh
Bruce Hall
Pittsburgh, PA 15261 Telephone: (412) 624-5761.

TABLE II. TUITION & FEES/TEST REQUIREMENTS
Schools of Pharmacy
Fall 1982-83 Freshman Class

School	Tuition and Fees Res.	 Non-Res.	Room	Board	Comments	PCAT		
Auburn U.	$330	$760	$150-360	$309-411	per quarter	Required		
Samford U.	$3,232	$3,328	$1,700 incl.		per year	Required		
Arizona, U. of	$650	$2,950	$459	$1,100	per year	Required		
Arkansas Medical Center, U. of	$1,030	$2,130	$2,500 incl.		per year	Required		
California, U. of	$292.50	$1,252.50	$945	$1,350	per year		Not required	
Pacific, U. of the	$9,525	Same	$3,530 incl.		for three semesters[1]		Not required	
Southern California, U. of	$6,490	Same	$2,800 incl.		per year[2]		Not required	
Colorado, U. of	$434+122.70 fees	$1,943.50+122.70	$1,031-1,190 incl.		per semester[2]			Optional
Connecticut, U. of	$592+365*	$1,420+690*	$562-602	$543-600	*subject to change		Not required	
Howard U.	$1,000+132.50*	$1,000+107.50*	$935/yr.incl.		*per semester	Required[3]		
Florida A&M U.	$420	$1,365	$413	$430	estimated		Not required	
Florida, U. of	$28*	$91*	$1,283**	$1,340**	*per sem. hr. **per 2 sem.	Required		
Mercer U.	$1,300[4]	-	n/a	n/a	per quarter			Recommended
Georgia, U. of	$327	$918	$210-310	$275-325	per quarter	Required		
Idaho State U.	$680	$2,380	$1,675-1,840 incl.[5]		per year on campus	Required		
Illinois, U. of	$443	$941	$1,282	$1,318	per quarter	Required		
Butler U.	$1,925	Same	$925 incl.		per semester			Recommended
Purdue U.	$1,050	$2,300	$2,010 incl.		per year	Required		
Drake U.	$5,050	Same	$1,000	$1,200	estimated		Not required	
Iowa, U. of	$950	$2,350	$900	$975	per year		Not required	
Kansas, U. of	$918	$2,234	$1,662-1,773 incl.		per year		Not required	
Kentucky, U. of	$1,074	$2,484	$1,050[6]	$1,000[6]	per year	Required		
Northeast Louisiana U.	$263.50	$578.50	$672-836 incl.		per semester		Not required	
Xavier U. of Louisiana	$3,200	Same	$600	$400	per year	Required		
Maryland, U. of	$1,600	$3,800	$1,489	-	per year	Required		
Massachusetts Coll. of Pharmacy	$4,375[2]	Same	$3,607 incl.[2]		per year			Recommended
Northeastern U.	$1,400	Same	$1,000-1,090 incl.		per quarter, subj.to change		Not required	
Ferris State College	$388	$910	$639 incl.		per quarter	Required		
Michigan, U. of	$1,820+142[2]*	$5,240+142[2]*	$2,300 incl.[2]*		per year *subj.to change		Not required	
Wayne State U.	$1,033+35	$2,138+35	n/a		per semester	Required		
Minnesota, U. of	$585	$1,595	$2,733 incl.		per year	Required - except for int'l students		
Mississippi, U. of	$1,175	$2,101	$824	$996	per year		Not required	
St. Louis College of Pharmacy	$2,300[7]	-	$1,900 incl.		per year		Not required	
Missouri-Kansas City, U. of	$1,194[2],[4]	$2,934[2],[4]	$903[2],[4]	$815[2],[4]	per year	Required		
Montana, U. of	$249	$705	$250	$350	per quarter		Not required	
Creighton U.	$3,700	Same	$844-946 incl.		per year		Not required	
Nebraska, U. of	$529.50[2]	$1,418[2]	Not provided		per semester		Not required	
Rutgers U.	$1,110	$2,220	$1,050	$990	per year		Not required	
New Mexico	$720	$2,232	$2,250 incl.		per year	Required		
Arnold & Marie Schwartz/L.I.U.	$5,000	Same	$1,500	$1,300	per year			Recommended

School	Tuition and Fees Res.	Non-Res.	Room	Board	Comments	PCAT
St. John's U.	$1,600+75 fees	Same	Not available		per semester	Not required
State U. of New York at Buffalo	$523	$875	$612.50	$591	per semester	Required
Albany College of Pharmacy	$2,907	Same		$2,250 incl. (approx)	per year	Not required
North Carolina, U. of	$382.50	$1,262.50	$700	$1,350	per year	Required
North Dakota State U.	$732	$1,500	$550	$850	per year	Recommended
Ohio Northern U.	$1,448	Same	$265	$320	per quarter	Not required
Ohio State U.	$460	$1,170	$371	$381	per quarter	Required
Cincinnati, U. of	$468/2	$1,123/2		$3,000-3500 incl./2	per year	Not required/11
Toledo, U. of	$420	$954	$365	$345	per quarter	Not required
Southwestern Oklahoma State U.	$15-17/8	$38.75-44.50/8	$160-185	$320-380	per semester	Not required
Oklahoma, U. of	$17.50-20.25/8	$50.75-60.75/8		$340*, $465**	*/mo.single, **/mo.married	Required
Oregon State U.	$359/2	$1,251/2		$1,740-2,230 incl./2	per year	Required
Duquesne U.	$5,038/2	Same		$2,013 incl./2	per year	Not required
Philadelphia Coll. of Pharmacy	$4,000/2	Same/2		$1,110 incl./2	per	Not required or recommended
Temple U.	$3,200/2	$5,200/2		$3,900 incl./2	per year + living expenses	Recommended
Pittsburgh, U. of	$1,275	$2,250	$1,350	$850	per ~~year~~ sem. - estimated	Not required
Puerto Rico, U. of	$995.40	$2,000	$750 est.	$500 est.	per year - estimated	Required
Rhode Island, U. of	$1,368.25/2	$3,892.25/2	$1,383-1,518	$1,060-1,235	per year	Not required
Medical U. of South Carolina	$1,022	$1,792		$1,950 incl.	per year	Not required
South Carolina, U. of	$585	$1,225	$320-730	$600	per semester	Not required
South Dakota State U.	$500	$885	$350	$350	per semester	Required
Tennessee, U. of	$420	$897	$200	$500	per semester	Required
Texas Southern U.	$256	$904		$852 incl.	per semester	Required
Houston, U. of	$218	$830		$2,140-2,460 incl.	per year	Required
Texas at Austin, U. of	$56+144 fees	$560+144	$2,080 max.	$1,444 max.	per semester	Required
Utah, U. of	$298/qtr.*	$794/qtr.*		$2,300-2,800/year	*for 16 credit hours	Required
Virginia Commonwealth U.	$1,528	$3,308	$505-525	$425-440	per year	Required
Washington, U. of	$1,059	$3,048		$2,100 incl.	per year	Recommended
Washington State U.	$1,176	$3,256		$2,470 incl.	per year	Not required
West Virginia U.	$314	$854		$1,100 incl./sem.*	*subject to change	Required
Wisconsin-Madison, U. of	$985/2	$3,572/2		$1,700-2,500 incl./2	per year	/10 Recommended
Wyoming, U. of	$592	$1,878	$882	$1,270	per year	Not required

NOTES: Table II

1. Includes all fees
2. Based on 1981-82 figures
3. Before completion of first semester
4. Increase anticipated
5. $135-$190 per month for room off campus
6. Price varies by dorm & meal plan
7. $3,300 for tuition 2-5th years
8. Per semester hour of credit
9. Private dorm w/ meals $1,390 per semester
10. For those with less than 2.75 GPA
11. Unless ACT or SAT available instead.

PHARMACY COLLEGE ADMISSION TEST (PCAT)

DEADLINES FOR 1981-1982 EXAMINATIONS

	Nov. 7, 1981	Feb. 6, 1982	May 8, 1982
Date by which requests for special foreign centers must be received.	None Established	Dec. 5	Mar. 6
Date by which requests for additional centers must be received.	None Established	Dec. 26	Mar. 27
Final date for receiving applications within United States and Canada.	Oct. 10	Jan. 9	Apr. 10

More general information on PCAT can be found on pages x and xi of the fourth edition of Pharmacy School Admission Requirements.